GENERAL
PLASTICS
Chemicals Business, SCG is one of the largest integrated petrochemical companies in Thailand and a key industry leader in Asia. We offer a full array of petrochemical products ranging from upstream productions of olefins to downstream productions of three main plastics resins: polyethylene (PE), polypropylene (PP) and polyvinyl chloride (PVC). Widely recognized for superior product quality as well as for world-class operation efficiency, we have joint ventures with a number of the world’s leading chemical companies, including The Dow Chemical, Mitsui Chemicals and Mitsubishi Chemical Corporation.

We are committed to developing new high value-added products (HVA) and service solutions that inspire our customers and partners.

PASSION FOR BETTER

OUR PRODUCTION CAPACITY (AS OF 2019)

TOTAL CAPACITY : 2,878 KTA
(PE / PP / PVC)

POLYOLEFIN
Total : 1,912 (KTA)

PVC
Total : 966 (KTA)
SCG provides various kinds of polyethylene and polypropylene resins, which are produced with world-class technology and suitable for general purpose film applications. Our HDPE, LLDPE and PP resins have been developed by Misui Chemicals Inc. of Japan, while our LLDPE resin is produced by applying the gas phase process of BP Chemicals Co., Ltd. of UK.

Our resins are manufactured with careful production control and premium quality additives to ensure that our high quality products truly meet customers’ requirements worldwide.
### SCG™ HDPE:
**HIGH DENSITY POLYETHYLENE RESIN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>H5604F</th>
<th>F15</th>
<th>S111F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MFR [g/10min]</strong></td>
<td>0.04</td>
<td>0.06</td>
<td>0.04</td>
</tr>
<tr>
<td><strong>Density [g/cm³]</strong></td>
<td>0.954</td>
<td>0.952</td>
<td>0.945</td>
</tr>
<tr>
<td><strong>Tensile Strength at Break [kg/cm²]</strong></td>
<td>MD 620, TD 310</td>
<td>MD 910, TD 380</td>
<td>MD 740, TD 530</td>
</tr>
<tr>
<td><strong>Tear Strength [g]</strong></td>
<td>MD 3, TD 80</td>
<td>MD 3, TD 135</td>
<td>MD 22, TD 200</td>
</tr>
<tr>
<td><strong>Dart Drop Impact [g]</strong></td>
<td>-</td>
<td>-</td>
<td>360</td>
</tr>
<tr>
<td><strong>Key Characteristic</strong></td>
<td>- High tensile strength</td>
<td>- High tensile strength and productivity</td>
<td>- Excellent impact strength and toughness</td>
</tr>
<tr>
<td><strong>Recommended Application</strong></td>
<td>General purpose bag such as shopping bag, roll-bag, liner bag, industrial bag, garbage bag, PE-glove</td>
<td>General purpose film produced by high speed machine and wide lay flat such as liner bag, industrial bag</td>
<td>Heavy duty industrial bag such as poultry and meat bag, industrial liner, premium shopping bag, HDSS, construction film</td>
</tr>
</tbody>
</table>

**Remarks:**
- H5604F and F15 film produced at SCG at 12 microns, BUR 5:1
- S111F film produced at SCG at 25 microns, BUR 4:1
**SCG™ LLDPE:**
LINEAR LOW DENSITY POLYETHYLENE RESIN

<table>
<thead>
<tr>
<th>GRADE</th>
<th>L2009FA</th>
<th>L2009F</th>
<th>L1810FI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MFR [g/10min]</strong></td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Density [g/cm³]</strong></td>
<td>0.920</td>
<td>0.921</td>
<td>0.921</td>
</tr>
<tr>
<td><strong>Tensile Strength at Break [kg/cm²]</strong></td>
<td>MD 380, TD 350</td>
<td>MD 380, TD 350</td>
<td>MD 470, TD 170</td>
</tr>
<tr>
<td><strong>Tear Strength [g]</strong></td>
<td>MD 145, TD 370</td>
<td>MD 145, TD 370</td>
<td>MD 145, TD 370</td>
</tr>
<tr>
<td><strong>Dart Drop Impact [g]</strong></td>
<td>130</td>
<td>130</td>
<td>130</td>
</tr>
<tr>
<td><strong>Slip Anti-Block</strong></td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Key Characteristic</strong></td>
<td>- High productivity and can be blended well with HDPE or LLDPE resin to improve tear strength</td>
<td>- High productivity and can be blended well with HDPE or LLDPE resin to improve tear strength</td>
<td>- High clarity water quenced film - Good openability</td>
</tr>
<tr>
<td><strong>Recommended Application</strong></td>
<td>- General purpose bag and industrial bag</td>
<td>- General purpose bag and industrial bag</td>
<td>- General purpose bag such as vegetable or fruit packaging</td>
</tr>
</tbody>
</table>

**Remark:** Film produced at SCG, at 30 microns and BUR 2:1
### SCG™ PP:
**POLYPROPYLENE HOMOPOLYMER RESIN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P601F</th>
<th>P602F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MFR</strong> [g/10min]</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td><strong>Tensile Strength at Break</strong> [kg/cm²]</td>
<td>MD 300, TD 100</td>
<td>MD 270, TD 100</td>
</tr>
<tr>
<td><strong>Elongation at Break</strong> [%]</td>
<td>MD 500, TD 100</td>
<td>MD 450, TD 100</td>
</tr>
<tr>
<td><strong>Tensile Modus, 2% Secant</strong> [kg/cm²]</td>
<td>HD: 5000, TD: 4800</td>
<td>HD: 5500, TD: 5300</td>
</tr>
<tr>
<td><strong>Slip Anti-Block</strong></td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
| **Key Characteristic** | - Good optical  
- Good openability | - Excellent optical  
- Good stiffness |
| **Recommended Application** | - Water-quenched blown film for general purpose film and food packaging | - Water quenched blown film for thick packaging such as food packaging and display bag |

Remarks: - P601F and P602F film produced at SCG at 35 microns, cooling water temperature 25°C
BLOW MOLDING APPLICATION

SCG provides a various range of HDPE resin which manufactured by utilizing the world-class technology from Mitsui Chemicals, Inc. of Japan.

Due to our excellent HDPE process technology, we offer a good processability and balance mechanical properties with enhanced ESCR for extrusion blow molding grades to serve customer’s requirement.
### SCG™ HDPE:
HIGH DENSITY POLYETHYLENE RESIN

<table>
<thead>
<tr>
<th>GRADE</th>
<th>H6670B</th>
<th>H6430BM</th>
<th>H6140B</th>
<th>H5840B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR [g/10min]</td>
<td>0.70</td>
<td>0.40</td>
<td>0.30</td>
<td>0.40</td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td>0.965</td>
<td>0.964</td>
<td>0.960</td>
<td>0.955</td>
</tr>
<tr>
<td>Flexural Modulus [kg/cm²]</td>
<td>15,000</td>
<td>15,000</td>
<td>13,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Notched Izod Impact at 23°C [J/m]</td>
<td>147</td>
<td>245</td>
<td>98</td>
<td>98</td>
</tr>
<tr>
<td>ESCR [hrs, F50]</td>
<td>24</td>
<td>24</td>
<td>100</td>
<td>300</td>
</tr>
<tr>
<td>Key Characteristic</td>
<td>- Good processability - Excellent stiffness - Excellent ESCR - Good surface appearance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended Application</td>
<td>- Milk bottle - Fruit juice bottle - Drinking water bottle - Milk bottle - Personal and homecare bottle - Milk bottle - Lube oil bottle - Personal and homecare bottle - Chemical bottle - Lube oil bottle</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INJECTION MOLDING APPLICATION

SCG provides a diverse range of polyethylene and polypropylene resins to meet the different injection applications. Our general polypropylene resins come in various kinds, including PP Block Copolymer, PP Homopolymer, and PP Random Polymer resins, in order to meet the industrial trends, such as the demand for high impact strength, high stiffness and good clarity. These products have been developed with technology from Mitsui Chemicals Inc. of Japan.
**SCG™ HDPE:**
HIGH DENSITY POLYETHYLENE RESIN

<table>
<thead>
<tr>
<th>GRADE</th>
<th>H5814J</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR [g/10min]</td>
<td>14.0</td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td>0.956</td>
</tr>
<tr>
<td>Tensile Strength at Yield [kg/cm²]</td>
<td>280</td>
</tr>
<tr>
<td>Flexural Modulus [kg/cm²]</td>
<td>12,500</td>
</tr>
<tr>
<td>Notched Izod Impact at 23°C [J/m]</td>
<td>29</td>
</tr>
<tr>
<td>Key Characteristic</td>
<td></td>
</tr>
<tr>
<td>Recommended Application</td>
<td></td>
</tr>
</tbody>
</table>

- Good processability
- Good impact resistance
- Food contact applicable

- General injection part
- Household product
- Office article
- Bottle cap and closure
- Toy

- Good processability
- Food contact applicable

- General injection part
- Household product
- Office article
- Bottle cap and closure
- Toy
### SCG™ PP:
**POLYPROPYLENE HOMOPOLYMER RESIN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P403J</th>
<th>P700J</th>
<th>P701J</th>
<th>P702J</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR [g/10min]</td>
<td>3.5</td>
<td>12.0</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>Tensile Strength at Yield [kg/cm²]</td>
<td>320</td>
<td>320</td>
<td>320</td>
<td>420</td>
</tr>
<tr>
<td>Flexural Modulus [kg/cm²]</td>
<td>13,500</td>
<td>14,500</td>
<td>15,500</td>
<td>17,000</td>
</tr>
<tr>
<td>Notched Izod Impact at 23°C [J/m]</td>
<td>41</td>
<td>37</td>
<td>34</td>
<td>34</td>
</tr>
</tbody>
</table>

**Key Characteristic**
- Good impact resistance
- Odorless
- Food contact applicable
- Good stiffness
- High processability
- Odorless
- Food contact applicable
- High stiffness
- High processability
- Odorless
- Food contact applicable
- High clarity and gloss
- Very high stiffness
- High processability
- Odorless
- Food contact applicable

**Recommended Application**
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Food container
- Toy
- Household product

- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Food container
- Toy
- Household product

- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Furniture
- Fruit basket
- Household product
- Toy
- Office accessory
- Food container
- Infant article
- Food container
- Toy
- Household product
### SCG™ PP:
**POLYPROPYLENE BLOCK COPOLYMER RESIN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P440J</th>
<th>P441JU</th>
<th>P483JU</th>
<th>P640J</th>
<th>P642J</th>
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<tbody>
<tr>
<td><strong>MFR</strong> [g/10min]</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td><strong>Tensile Strength at Yield</strong> [kg/cm²]</td>
<td>270</td>
<td>270</td>
<td>300</td>
<td>280</td>
<td>280</td>
</tr>
<tr>
<td><strong>Flexural Modulus</strong> [kg/cm²]</td>
<td>12,500</td>
<td>12,500</td>
<td>16,500</td>
<td>12,000</td>
<td>14,000</td>
</tr>
<tr>
<td><strong>Notched Izod Impact at 23°C</strong> [J/m]</td>
<td>118</td>
<td>118</td>
<td>108</td>
<td>98</td>
<td>98</td>
</tr>
</tbody>
</table>

**Key Characteristic**
- High impact strength
- Good stiffness
- Food contact applicable
- Contained anti-static agent
- Good UV resistance
- High impact strength
- Excellent stiffness
- Good dimensional stability
- High heat resistance
- Good UV resistance
- Contained Anti-static agent
- High impact strength
- Good stiffness
- Food contact applicable
- Contained UV stabilizer and anti-static agent
- Good flowability
- High impact strength
- Very high stiffness
- Mechanical property balance
- Contained UV stabilizer and anti-static agent

**Recommended Application**
- Pail
- Crate
- Industrial use
- Automotive part
- Electrical appliance part
- Furniture
- Container
- Pail
- Crate
- Industrial use
- Automotive part
- Electrical appliance part
- Any part that requires outdoor use
- Industrial use
- Automotive part
- Electrical appliance part
- Furniture
- Toy
- Industrial use
- Automotive part
- Electrical appliance part

![Image of injection molded parts](image-url)
**INJECTION MOLDING APPLICATION**

- Excellent impact strength
- Good stiffness
- Good processability
- Food contact applicable

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0</td>
<td>10.0</td>
<td>27.0</td>
<td>43.0</td>
<td>40.0</td>
<td>40.0</td>
</tr>
<tr>
<td>250</td>
<td>300</td>
<td>290</td>
<td>290</td>
<td>260</td>
<td>295</td>
</tr>
<tr>
<td>12,000</td>
<td>13,000</td>
<td>12,500</td>
<td>12,500</td>
<td>12,000</td>
<td>14,500</td>
</tr>
<tr>
<td>Not Break</td>
<td>98</td>
<td>78</td>
<td>70</td>
<td>70</td>
<td>74</td>
</tr>
</tbody>
</table>

- High impact strength
- High stiffness
- Dimensional stability
- Good processability
- Good UV resistance
- Food contact applicable
- Good impact strength
- Good stiffness
- Good processability
- Good UV resistance
- Food contact applicable
- Good impact strength
- Good stiffness
- Good processability
- Good UV resistance
- Food contact applicable
- Good impact strength
- Very high stiffness
- Dimensional stability
- Food contact applicable

- Pail
- Crate
- Industrial use
- Luggage
- Container
- Furniture
- Automotive part
- Electrical appliance part
- Industrial use
- Battery case
- Automotive part
- Electrical appliance part
- Industrial use
- Automotive parts
- Electrical appliance part
- Complicate industrial part
- Electrical appliance part such as washing machine tub, base, panel, etc.
- Electrical appliance part such as refrigerator part and washing machine tub, base, panel, etc.
- Industrial use
- Complicate industrial part
- Electrical appliance part such as washing machine tub, base, panel, etc.
- Industrial use
- Electrical appliance part such as washing machine tub, base, panel, etc.
- Industrial use

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**P841J**

- Good impact strength
- Good stiffness
- Good processability
- Food contact applicable

- Electrical appliance part such as washing machine tub, base, panel, etc.
- Industrial use

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**P842J**

- Good impact strength
- Very high stiffness
- Dimensional stability
- Food contact applicable

- Electrical appliance part such as refrigerator part and washing machine tub, base, panel, etc.
- Industrial use
# SCG™ PP:
POLYPROPYLENE RANDOM COPOLYMER RESIN

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P750J</th>
<th>P851JO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MFR</strong> [g/10min]</td>
<td>12.0</td>
<td>20.0</td>
</tr>
<tr>
<td><strong>Tensile Strength at Yield</strong> [kg/cm²]</td>
<td>300</td>
<td>320</td>
</tr>
<tr>
<td><strong>Flexural Modulus</strong> [kg/cm²]</td>
<td>12,000</td>
<td>12,500</td>
</tr>
<tr>
<td><strong>Notched Izod Impact at 23°C</strong> [J/m]</td>
<td>65</td>
<td>60</td>
</tr>
</tbody>
</table>

**Key Characteristic**
- High gloss and clarity
- Good impact resistance
- Odorless
- Food contact applicable

**Recommended Application**
- Clear food container
- Clear household product
- Article that requires high transparency

**Recommended Application**
- Clear food container
- Clear large size container
- Household product
- Article that requires high transparency

- High gloss and clarity
- High brightness
- Good productivity
- Odorless
- Food contact applicable

**Recommended Application**
- High gloss and clarity
- High brightness
- Good productivity
- Odorless
- Food contact applicable
MONOFILAMENT AND FLAT YARN APPLICATION

SCG offers polypropylene and polyethylene resins with excellent processability, ideal for monofilament and flat yarn applications that require high mechanical properties and recommended for typical applications such as woven sacks, tarpaulins, ropes, nets, straws, and sheets.
# SCG™ HDPE RESIN:
## HIGH DENSITY POLYETHYLENE RESIN

<table>
<thead>
<tr>
<th>GRADE</th>
<th>H5480S</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR [g/10min]</td>
<td>0.80</td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td>0.952</td>
</tr>
<tr>
<td>Flexural Modulus [kg/cm²]</td>
<td>10,000</td>
</tr>
<tr>
<td>Notched Izod Impact at 23°C [J/m]</td>
<td>167</td>
</tr>
<tr>
<td>ESCR [hrs, F50]</td>
<td>30</td>
</tr>
</tbody>
</table>

**Key Characteristic**
- High tenacity
- Good processability
- Balance softness and mechanical strength
- Good weathering property
- Food contact applicable

**Recommended Application**
- Net
- Rope
- Tarpaulin
- Woven sack

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**MONOFILAMENT AND FLAT YARN APPLICATION**

[Image of monofilament and flat yarn application]
### SCG™ PP:
**POLYPROPYLENE HOMOPOLYMER RESIN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P400S</th>
<th>P401S</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MFR</strong>&lt;br&gt;[g/10min]</td>
<td>3.5</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Tensile Strength at Yield</strong>&lt;br&gt;[kg/cm²]</td>
<td>320</td>
<td>320</td>
</tr>
<tr>
<td><strong>Flexural Modulus</strong>&lt;br&gt;[kg/cm²]</td>
<td>13,500</td>
<td>13,500</td>
</tr>
<tr>
<td><strong>Notched Izod Impact at 23°C</strong>&lt;br&gt;[J/m]</td>
<td>40</td>
<td>41</td>
</tr>
<tr>
<td><strong>Key Characteristic</strong></td>
<td>- High productivity&lt;br&gt;- High mechanical property&lt;br&gt;- Good processability&lt;br&gt;- Food contact applicable</td>
<td>- High mechanical properties with balance softness&lt;br&gt;- Good processability&lt;br&gt;- Food contact applicable</td>
</tr>
<tr>
<td><strong>Recommended Application</strong></td>
<td>- Small woven sack&lt;br&gt;- Straw&lt;br&gt;- Rope</td>
<td>- Woven sack (Flexible Intermediate Bulk Container (FIBC) / jumbo bag / industrial woven sack)&lt;br&gt;- Tarpaulin&lt;br&gt;- Straw&lt;br&gt;- Rope&lt;br&gt;- Sheet and thermoforming</td>
</tr>
</tbody>
</table>
### SCG™ PP:
**POLYPROPYLENE FOR COATING APPLICATION**

<table>
<thead>
<tr>
<th>Key Characteristic</th>
<th>Recommended Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Good processability</td>
<td>- Tarpaulin</td>
</tr>
<tr>
<td>- Good adhesion on substrate</td>
<td>- PP woven bag coating</td>
</tr>
<tr>
<td>- Balance stiffness and impact</td>
<td>- PP woven bag lamination with other substrate such as BOPP film, paper, metalized film</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRADE</th>
<th>P838C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR [g/10min]</td>
<td>28.0</td>
</tr>
<tr>
<td>Tensile Strength at Yield [kg/cm²]</td>
<td>280</td>
</tr>
<tr>
<td>Flexural Modulus [kg/cm²]</td>
<td>11,000</td>
</tr>
<tr>
<td>Vicat Temperature [°C]</td>
<td>140</td>
</tr>
</tbody>
</table>
PVC RESIN

We offer a variety of PVC suspension resins manufactured by Thai Plastic and Chemicals Co., Ltd. (TPC) with various molecular weights or "K Values" to serve as a raw material across a wide range of PVC finished products.

Our products are developed with technologies of INEOS Chlor Vinyls Limited of UK, Mitsui Chemicals of Japan, and Chisso Corporation of Japan.

We have been working closely with our customers in product development to create new applications of PVC and resins that can satisfy specific needs, reduce costs, as well as enhance efficiency to deliver maximum efficiency to customers.
**SCG™ PVC:**

**GENERAL GRADE POLYVINYL CHLORIDE RESIN**

Our PVC resin is produced with a suspension polymerization process, while powder and free-flowing resins are blended with other additives by using standard mixing techniques. They are developed to serve a wide range of usages, especially for general purpose products.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SF580</th>
<th>SGS80</th>
</tr>
</thead>
<tbody>
<tr>
<td>K Value [-]</td>
<td>57.9</td>
<td>58.0</td>
</tr>
<tr>
<td>Apparent Bulk Density [g/ml]</td>
<td>0.57</td>
<td>0.57</td>
</tr>
<tr>
<td>Volatile Matter [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 250 microns [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 75 microns [%]</td>
<td>95.5</td>
<td>95.2</td>
</tr>
<tr>
<td>Impurity and Foreign Matter [Points/100g]</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>Residual Vinyl Chloride Monomer [ppm]</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Volume Resistivity [Ohm-cm]</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
| Recommended Application | - Floortile  
- Fitting  
- Rigid injection product  
- Adhesive  
- Construction profile  
- Bottle & IC tube | - Rigid sheet packaging  
- Stationery  
- Furniture trim  
- Construction profile  
- Bottle & IC tube |
<table>
<thead>
<tr>
<th></th>
<th>SG610</th>
<th>SG660</th>
<th>SP660</th>
<th>SG710</th>
</tr>
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<tbody>
<tr>
<td>Value</td>
<td>61.0</td>
<td>66.0</td>
<td>65.5</td>
<td>71.3</td>
</tr>
<tr>
<td>Value</td>
<td>0.57</td>
<td>0.55</td>
<td>0.56</td>
<td>0.49</td>
</tr>
<tr>
<td>Value</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Value</td>
<td>0.1</td>
<td>0.1</td>
<td>0.7</td>
<td>0.1</td>
</tr>
<tr>
<td>Value</td>
<td>95.0</td>
<td>98.1</td>
<td>97.8</td>
<td>98.2</td>
</tr>
<tr>
<td>Value</td>
<td>5</td>
<td>5</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>Value</td>
<td>0.4</td>
<td>0.3</td>
<td>0.5</td>
<td>0.3</td>
</tr>
<tr>
<td>Value</td>
<td>-</td>
<td>3.6 x 10³</td>
<td>-</td>
<td>4.0 x 10¹³</td>
</tr>
</tbody>
</table>

- Rigid sheet packaging
- Stationery
- Credit card
- Floor covering
- Sticker and decorative sheet
- Floor tile
- Furniture trim
- Construction profile
- Shrink film

- Flexible sheet packaging
- Curtain
- Floor covering
- Furniture trim
- Shrink film
- Hose
- Electrical wire and cable
- Shoes
- Toy

- Pipe
- Door and window frame
- Construction profile

- Flexible sheet packaging
- Artificial leather
- Inflatable toy
- Electrical tape
- Gasket
- Automotive part
- Hose
- Electrical wire and cable
- Wire harness
SCG™ PVC:
SPECIAL GRADE POLYVINYL CHLORIDE RESIN:
NON-BISPHENOL A SERIES

Our Non-Bisphenol A Series have a good fish eye property, initial coloration, and thermal stability with thermal stability with a low contamination level.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SG58J</th>
<th>SG61J</th>
</tr>
</thead>
<tbody>
<tr>
<td>K Value [ - ]</td>
<td>58.1</td>
<td>61.0</td>
</tr>
<tr>
<td>Apparent Bulk Density [g/ml]</td>
<td>0.57</td>
<td>0.57</td>
</tr>
<tr>
<td>Volatile Matter [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 250 microns [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 75 microns [%]</td>
<td>95.6</td>
<td>95.0</td>
</tr>
<tr>
<td>Impurity and Foreign Matter [Points/100g]</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Residual Vinyl Chloride Monomer [ppm]</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>Volume Resistivity [Ohm-cm]</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Recommended Application</td>
<td>- Rigid sheet packaging, Credit card, Blister pack, Furniture trim, Construction profile, Bottle and IC tube, Shrink film</td>
<td>- Rigid sheet packaging, Credit card, Blister pack, Sticker and decorative sheet, Furniture trim, Construction profile, Shrink film, Shoes, Toy</td>
</tr>
<tr>
<td>SG66J</td>
<td>SP66J</td>
<td>SG71J</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>66.1</td>
<td>65.4</td>
<td>71.2</td>
</tr>
<tr>
<td>0.55</td>
<td>0.56</td>
<td>0.49</td>
</tr>
<tr>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>0.1</td>
<td>0.5</td>
<td>0.1</td>
</tr>
<tr>
<td>97.7</td>
<td>97.8</td>
<td>98.3</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>0.3</td>
<td>0.5</td>
<td>0.3</td>
</tr>
<tr>
<td>$3.8 \times 10^{13}$</td>
<td>-</td>
<td>$4.0 \times 10^{13}$</td>
</tr>
</tbody>
</table>

- Flexible sheet packaging
- Sticker and decorative sheet
- Curtain
- Furniture trim
- Shrink film
- Hose
- Wrap and cling film
- Electrical wire and cable
- Shoes
- Toy

- Pipe
- Door and window frame
- Construction profile

- Flexible sheet packaging
- Artificial leather
- Inflatable toy
- Electrical tape
- Gasket
- Automotive part
- Hose
- Electrical wire and cable
- Wire harness
Our high flow PVC resin has high melt flow and faster fusion properties. It helps polymer flow into the injection mold easier and the molten PVC in extruder is highly mixed homogeneously before die. The resin can also improve the productivity while reduce the defective product.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SF581</th>
<th>SP661</th>
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</thead>
<tbody>
<tr>
<td>K Value [ - ]</td>
<td>56.8</td>
<td>63.8</td>
</tr>
<tr>
<td>Apparent Bulk Density [g/ml]</td>
<td>0.57</td>
<td>0.56</td>
</tr>
<tr>
<td>Volatile Matter [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 250 microns [%]</td>
<td>0.1</td>
<td>0.5</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 75 microns [%]</td>
<td>96.0</td>
<td>97.8</td>
</tr>
<tr>
<td>Impurity and Foreign Matter [Points/100g]</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Residual Vinyl Chloride Monomer [ppm]</td>
<td>0.7</td>
<td>0.6</td>
</tr>
</tbody>
</table>
| Recommended Application                    | - Fitting  
- Rigid injection product  
- Construction profile | - Pipe  
- Door and window frame  
- Construction profile |
SCG™ PVC:
SPECIAL GRADE POLYVINYL CHLORIDE RESIN:
Z SERIES

Our unique PVC resin Z Series has an extremely low fish eye count, excellent initial coloration and thermal stability, and a high degree of transparency with a low contamination level.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SG66Z</th>
<th>SG71Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>K Value [-]</td>
<td>66.1</td>
<td>71.5</td>
</tr>
<tr>
<td>Apparent Bulk Density [g/ml]</td>
<td>0.53</td>
<td>0.49</td>
</tr>
<tr>
<td>Volatile Matter [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 250 microns [%]</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 75 microns [%]</td>
<td>98.1</td>
<td>96.9</td>
</tr>
<tr>
<td>Impurity and Foreign Matter [Points/100g]</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Residual Vinyl Chloride Monomer [ppm]</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Fish Eye [Points/150 cm²]</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Volume Resistivity [Ohm-cm]</td>
<td>$3.8 \times 10^{13}$</td>
<td>$4.1 \times 10^{13}$</td>
</tr>
</tbody>
</table>
| Recommended Application | - Flexible sheet packaging 
- Sticker and decorative sheet 
- Curtain 
- Furniture trim 
- Shrink film 
- Hose 
- Wrap and cling film 
- Electrical wire and cable | - Flexible sheet packaging 
- Artificial leather 
- Inflatable toy 
- Electrical tape 
- Gasket 
- Automotive part 
- Hose 
- Wire and cable 
- Wire harness |
## SCG™ PVC:
### SPECIAL GRADE POLYVINYL CHLORIDE RESIN:
#### LOW & HIGH K VALUE SERIES

<table>
<thead>
<tr>
<th>GRADE</th>
<th>SG500</th>
<th>SG730</th>
<th>SG760</th>
<th>SG840</th>
</tr>
</thead>
<tbody>
<tr>
<td>K Value \ [-]</td>
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<td>73.7</td>
<td>76.8</td>
<td>85.2</td>
</tr>
<tr>
<td>Apparent Bulk Density \ [g/ml]</td>
<td>0.59</td>
<td>0.48</td>
<td>0.47</td>
<td>0.48</td>
</tr>
<tr>
<td>Volatile Matter \ [%]</td>
<td>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 250 microns \ [%]</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Sieve Analysis, Retained on 75 microns \ [%]</td>
<td>97.8</td>
<td>95.9</td>
<td>97.2</td>
<td>97.7</td>
</tr>
<tr>
<td>Impurity and Foreign Matter \ [Points/100g]</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Residual Vinyl Chloride Monomer \ [ppm]</td>
<td>0.9</td>
<td>0.3</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>Fish Eye \ [Points/150 cm²]</td>
<td>10</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Volume Resistivity \ [Ohm-cm]</td>
<td>-</td>
<td>$3.8 \times 10^{13}$</td>
<td>$4.2 \times 10^{13}$</td>
<td>$4.2 \times 10^{13}$</td>
</tr>
</tbody>
</table>

**Recommended Application**
- Floor tile
- Fitting
- Rigid injection product
- Adhesive
- Flexible sheet packaging
- Gasket
- High strength and thermal stability product such as wire & cable, wire harness, and electrical tape, etc.
- High strength flexible sheet such as matt, cover, flexible sheet packaging, artificial leather, inflatable toy, etc.
- High strength and abrasive resistance flexible product such as automotive part, hose, shoes, etc.
- High strength and thermal stability product such as wire & cable, wire harness, electrical tape, etc.
- High elasticity product such as loop, sandal, gear knob, brush, etc.
Our Low K Value grades show faster fusion behavior and have a high melt flow index (MFI) with a low contamination level, while our High K Value grades have excellent plasticizer absorption, dry-up abilities, high strength and elasticity, and excellent mechanical performance of finished articles.
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