



**FOOD &  
BEVERAGE**





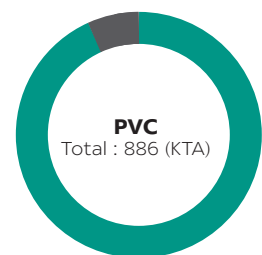
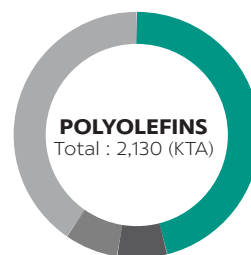
## About SCG Chemicals or SCGC

SCG Chemicals or SCGC is one of the leader in sustainable chemical innovations and manufacturing in Thailand and ASEAN that offers a full range of petrochemical products ranging from upstream production of olefins to downstream production of 3 main plastics resins: polyethylene, polypropylene, and polyvinyl chloride including finished products.

SCGC is committed to conducting business in line with Environmental, Social, and Governance (ESG) and achieving Sustainable Development Goals (SDGs). SCGC is developing new technology and innovation to create high value added products (HVA) and holistic service solutions concerning growing areas such as circular economy, medical & healthcare, and electric vehicle (EV) to better meet diverse places and emphasis demands sustainable environmental stewardship.

### OUR PRODUCTION CAPACITY (AS OF 2021)

**TOTAL CAPACITY : 3,016 KTA** (PE / PP / PVC)



HDPE 980 KTA

LLDPE 140 KTA

LDPE 150 KTA

PP 860 KTA

PVC 850 KTA

PVC Paste 36 KTA

## ESG Strategic Directions



**“INNOVATION THAT’S REAL”**







## FOOD & BEVERAGE

**SCGC believes in being a part of environmental conservation efforts by creating sustainable packaging.**

With population growth on the rise, the issue of waste, especially from food and beverage packaging, has gained attention from both people and companies who wish to take better care of the environment.

SCGC believes in being a part of environmental conservation efforts by creating sustainable packaging. Thus, SCGC has developed its signature SMX™ Technology, an innovative manufacturing process for high-density polyethylene (HDPE) resins that are recyclable, stronger, lighter, and uses less plastic. SCGC has also established i2P Center, an innovation and application development hub where partners can explore novel solutions for HDPE, LDPE, and PP applications that give superior quality and environmentally friendly.

To further reduce environmental impact, SCGC has been working on developing mono-material solutions for fully recyclable packaging. With its longstanding expertise in the petrochemical industry and wide range of networks with research laboratories, SCGC believes that such a solution will grow the near future. For instance, SCGC is currently collaborating with Norner, a research laboratory, as well as other machine makers and brand owners worldwide for these initiatives. With mono-material packaging in sight, SCGC is confident that it can create a more circular economy for everyone in the coming years.

With sustainability at the core of our business, SCGC is passionately committed to improving people's lives and protecting the world for future generations.



### Design for Sustainability

2  
ZERO  
HUNGER



9  
INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



12  
RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



13  
CLIMATE  
ACTION





# RECYCLABLE

## Design for Recyclability

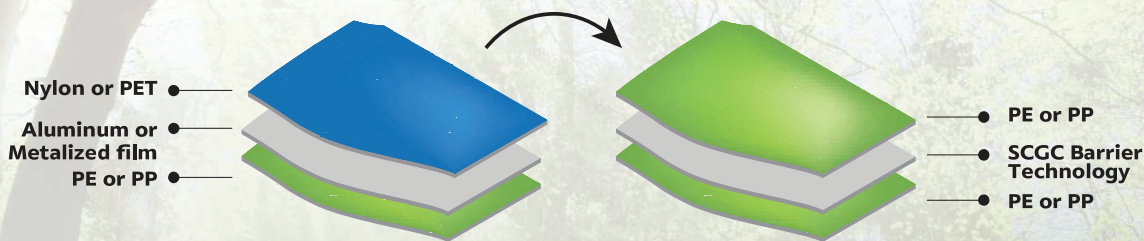


The packaging industry is the largest consumer of plastic, and flexible packaging is a major type of plastic packaging that takes 70% of the market. Normally, flexible packaging consists of inextricable layers of different materials with different properties and melting points, thus is not easy to get to recycling process.

SCG Chemicals' new innovation, launched under the brand SCGC GREEN POLYMER™, can reinforce **"Recyclable Packaging Solutions"** that maintain the functional properties of the packaging while using solely PE, PP, or PO as materials, thus lends itself to recycling in the post-consumer stage

### Conventional Multi-Material Packaging

### Recyclable Packaging Solutions



- Unlike melting temperature
- Difficult to separate each layer



Certified by  
**RecyClass**

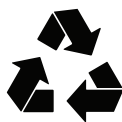


## BARRIER COATING (BWO1501G)

### Water-Based Oxygen Barrier Coating Agent for Flexible Packaging



Prevent oxygen permeation



Certified by  
**RecyClass**



Meet Food Safety Packaging standard



Water-based with 12-15% solid content

#### Recommended Applications

- ✓ Coating agent on film substrates
- ✓ Widely used in food and non-food packaging (not suitable for boiling and retort application)

#### Key Benefits to Customers

- Tailor-made oxygen barrier level (achievable OTR of less than 1 cc/day/m<sup>2</sup>)
- Ready-to-use one component





# Recyclable Packaging Solutions

## MDOPE (H619F)

### HDPE Resin for Machine Direction Oriented Polyethylene Film



**Wider sealing operation window from high heat resistance**



**Better printability from high stiffness**

#### Recommended Applications

- ✓ Printing layer for recyclable film structure
- ✓ BOPET and BOPA replacement
- ✓ Moisture barrier application

#### Key Benefits to Customers

- Excellent compatibility with LLDPE and LDPE
- Acceptable clarity

## BOPE-HD (S197F)

### HDPE Resin from SMX™ Technology for Biaxial Oriented Polyethylene Film via a Tenter Frame Technology



**Good alignment in CMYK registration at higher line speed for printing process**



**High clarity with haze ≤ 9%**

#### Recommended Applications

- ✓ Printing layer for recyclable film structure
- ✓ BOPET, BOPA, and BOPP replacement
- ✓ Moisture barrier application

#### Key Benefits to Customers

- Wider sealing operation window
- Better pouch appearance
- Ability to use form-fill-seal machine

## HEAT RESISTANT BOPP (P408F)

### PP Resin for High Heat Resistant Biaxial Oriented Polypropylene Film



**8-10% faster packing speed**



**Better seal appearance**



**High clarity with haze ≤ 2%**

#### Recommended Applications

- ✓ Printing layer for recyclable film structure
- ✓ BOPET replacement
- ✓ High line speed packing machine

#### Key Benefits to Customer

- Higher speed for vertical form-fill-seal

## EXCELLENT HEAT RESISTANT BOPP (X66C001F)

### PP Resin for Excellent Heat Resistant Biaxial Oriented Polypropylene Film



**10-15% faster packing speed**



**Better seal appearance**



**High clarity with haze ≤ 2%**

#### Recommended Applications

- ✓ Printing layer for recyclable film structure
- ✓ BOPET replacement
- ✓ High line speed packing machine

#### Key Benefits to Customer

- Higher speed for vertical form-fill-seal

Remarks: - all benefits of high and excellent heat resistant BOPP film produced from P408F and X66C001F are compared with general BOPP film  
- all benefits of BOPE-HD film produced from S197F blending with 20-40% LLDPE resin, are compared with general BOPE-LL film





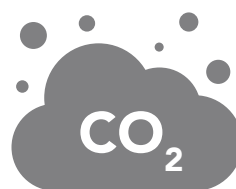
# SCGC GREEN POLYMER™ for Carbonated Soft Drink and Sparkling Water Caps & Closures



**SX002J and SX002JA for Sustainable Food & Beverage Packaging**



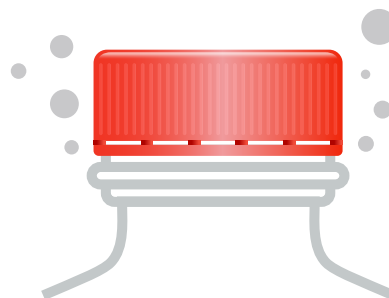
**Up to 20%  
less plastic use**



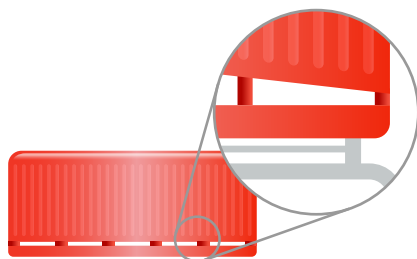
**Reduces at least 224 kg of CO<sub>2</sub> emissions  
for every ton of plastic consumed**



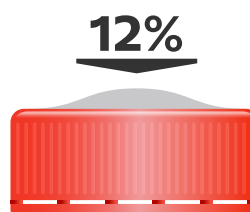
**Superior stress cracking resistance**



**Better gas retention (10%)**



**Higher bridge strength (15%)**



**Less doming (12%)**

*Reference resin: SCGC Bi-modal HDPE for Carbonated Soft Drink and Sparkling Water Caps & Closures*





# SCGC GREEN POLYMER™ for Carbonated Soft Drink and Sparkling Water Caps & Closures



GRADE	SX002J	SX002JA
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Lightweight carbonated soft drinks</li> <li>- Lightweight sparkling water closures</li> </ul>	
<b>Recommended processes</b>	<ul style="list-style-type: none"> <li>- Injection molding</li> <li>- Continuous compression molding</li> </ul>	
<b>Melt flow rate (MFR) at 190°C, 2.16kg (g/10min) ISO 1133</b>	0.55	
<b>Density (g/cm³) ISO 1183-2</b>	0.955	
<b>Tensile modulus (MPa) ISO 527 (1B, Speed 1 mm/min)</b>	1,000	
<b>Charpy impact strength (kJ/m²) ISO 179 @ 23°C</b>	8	
<b>Environmental stress cracking resistance (ESCR), F50, 10% Igepal (hr) ASTM D1693</b>	>1,000	
<b>Slip agents</b>	✓	-
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Superior Environmental Stress Cracking Resistance (ESCR)</li> <li>- Excellent balance of stiffness and toughness</li> <li>- Good organoleptic property</li> </ul>	
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>	





# SCGC™ HDPE: EXCELLENT STRESS CRACKING RESISTANCE for Carbonated Soft Drink and Sparkling Water Caps & Closures

GRADE	H555J	H555JA	H567J	H567JA	H568JA
Recommended applications	<div>- Carbonated soft drink closures</div> <div>- Sparkling water closures</div> <div>- Aseptic beverages closures</div> <div>- Still water with nitrogen filled</div> <div>- Carbonated soft drinks</div> <div>- Sparkling water closures</div>				
Recommended processes	<div>- Injection molding</div> <div>- Continuous compression molding</div>		<div>- Injection molding</div> <div>- Continuous compression molding</div>		
Melt flow rate (MFR) at 190°C, 2.16kg (g/10min) ASTM D1238	1.8		1		0.8
Density (g/cm³) ASTM D1505	0.953		0.952		0.956
Flexural modulus (kg/cm²) ASTM D790	11,100		10,500		11,000
Notched Izod Impact at 23°C (J/m) ASTM D256	78		59		49
Environmental stress cracking resistance (ESCR), F50, 10% Igepal (hr) ASTM D1693	20		> 600		> 600
Slip agents	✓	-	✓	-	-
Key characteristics	<div>- Good environmental stress cracking resistance (ESCR)</div> <div>- Good mechanical property</div> <div>- Good organoleptic property</div> <div>- Excellent environmental stress cracking resistance (ESCR)</div> <div>- Good mechanical property</div> <div>- Good organoleptic property</div>				
International compliance standards	<div>- U.S FDA 21 CFR 177.1520</div> <div>- Commission Regulation (EU) no. 10/2011</div>				



## SCGC™ HDPE: ORGANOLEPTIC for Still & Mineral Water and Hot-Filled Beverage Caps & Closures

GRADE	H355JA	H455JA
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Still &amp; mineral water closures</li> <li>- Hot-filled beverage closures</li> <li>- Aseptic beverage closures</li> </ul>	
<b>Recommended processes</b>	<ul style="list-style-type: none"> <li>- Injection molding</li> <li>- Continuous compression molding</li> </ul>	
<b>Melt flow rate (MFR) at 190°C, 2.16kg (g/10min) ASTM D1238</b>	7.5	4.5
<b>Density (g/cm³) ASTM D1505</b>	0.961	0.958
<b>Flexural modulus (kg/cm²) ASTM D790</b>	13,500	12,500
<b>Notched Izod Impact at 23°C (J/m) ASTM D256</b>	33	39
<b>Environmental stress cracking resistance (ESCR), F50, 10% Igepal (hr) ASTM D1693</b>	6	7
<b>Slip agents</b>	-	-
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Excellent processability</li> <li>- High stiffness</li> <li>- Excellent organoleptic property</li> </ul>	<ul style="list-style-type: none"> <li>- Good processability</li> <li>- High stiffness</li> <li>- Excellent organoleptic property</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>	





## SCGC™ PP: BLOCK COPOLYMER for Carbonated Soft Drink and Hot-Filled Beverage Caps & Closures

GRADE	P443J
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Carbonated soft drink closures</li> <li>- Hot-filled beverage closures</li> </ul>
<b>Recommended processes</b>	<ul style="list-style-type: none"> <li>- Injection molding</li> <li>- Continuous compression molding</li> </ul>
<b>Melt flow rate (MFR) at 230°C, 2.16kg (g/10min) ASTM D1238</b>	6
<b>Flexural modulus (kg/cm<sup>2</sup>) ASTM D790</b>	15,000
<b>Notched Izod Impact at 23°C (J/m) ASTM D256</b>	110
<b>Tensile strength at yield (kg/cm<sup>2</sup>) ASTM D638</b>	290
<b>HDT (°C) ASTM D648</b>	120
<b>Slip agents</b>	✓
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Excellent processability</li> <li>- High stiffness</li> <li>- High heat resistance</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>



## SCGC™ PP: HOMOPOLYMER for Thin Wall Injection Molding Food Packaging

GRADE	P904J
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Drinking cups</li> <li>- Food containers</li> <li>- Household products</li> </ul>
<b>Melt flow rate (MFR) at 230°C, 2.16kg (g/10min) ASTM D1238</b>	75
<b>Flexural modulus (kg/cm<sup>2</sup>) ASTM D790</b>	16,500
<b>Notched Izod Impact at 23°C (J/m) ASTM D256</b>	38
<b>HDT at 4.6 kg/cm<sup>2</sup> (°C) ASTM D648</b>	121
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- High flowability</li> <li>- High clarity</li> <li>- Good stiffness and toughness balance</li> <li>- Microwavable or hot fillable</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>





## SCGC™ PP: HOMOPOLYMER for Thermoformed Food Packaging

GRADE	P304S	P303S
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Dairy cups</li> <li>- Disposable drinking water</li> <li>- Food containers</li> </ul>	<ul style="list-style-type: none"> <li>- Dairy cups</li> <li>- Disposable drinking cups</li> <li>- Food containers</li> </ul>
<b>Melt flow rate (MFR) at 230°C, 2.16kg (g/10min) ASTM D1238</b>	2.1	2.3
<b>Flexural modulus (kg/cm<sup>2</sup>) ASTM D790</b>	13,500	19,000
<b>Notched Izod Impact at 23°C (J/m) ASTM D256</b>	60	59
<b>HDT at 4.6 kg/cm<sup>2</sup> (°C) ASTM D648</b>	110	128
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Good stiffness and toughness balance</li> <li>- Good Clarity</li> <li>- Microwavable or hot fillable</li> </ul>	<ul style="list-style-type: none"> <li>- High stiffness</li> <li>- High clarity</li> <li>- Microwavable or hot fillable</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>



## SCGC™ PP: HETEROPHASIC POLYPROPYLENE for Thermoformed Frozen to Microwavable Food Packaging

GRADE	P348S
<b>Recommended applications</b>	Food containers
<b>Melt flow rate (MFR) at 230°C, 2.16kg (g/10min) ASTM D1238</b>	2.8
<b>Density (g/cm³) ASTM D1505</b>	0.963
<b>Flexural modulus (kg/cm²) ASTM D790</b>	20,500
<b>Notched Izod Impact at 23°C (J/m) ASTM D256</b>	34
<b>HDT at 4.6 kg/cm² (°C) ASTM D648</b>	130
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Excellent thermal stability and high stiffness</li> <li>- High impact strength at low temperature</li> <li>- Microwavable or hot fillable</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Commission Regulation (EU) no. 10/2011</li> </ul>





## SCGC™ LDPE for Extrusion Coating/ Lamination

GRADE	D477C	D777C	D388C
<b>Recommended applications</b>		<ul style="list-style-type: none"> <li>- Sachet</li> <li>- Pouch</li> <li>- Aseptic box</li> <li>- Woven</li> <li>- Paper &amp; tarpaulin</li> </ul>	
<b>Melt flow rate (MFR) at 190°C, 2.16kg (g/10min) ASTM D1238</b>	4	7	8
<b>Density (g/cm³) ASTM D1505</b>	0.924	0.920	0.919
<b>Melting temperature (°C) ASTM D2117</b>	112	107	107
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Good neck-in performance</li> <li>- High stiffness</li> <li>- High scratch resistance</li> <li>- Good processability, thickness control, and edge stability</li> </ul>		
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No.10/2011</li> <li>- Regulation (EC) 2023/2006 (GMP)</li> <li>- Packaging and Packaging waste Directive 94/62/EC</li> <li>- RoHS: Directive 2011/65/EU</li> <li>- China's Hygienic Standards; GB9685 – 2016, GB4806 – 2016</li> <li>- JHOSPA</li> <li>- Consult the regulations for complete details</li> </ul>		

**Remark:** Coating properties obtained from pilot coating line, Melt temperature 295°C, line speed 100 m/min



## SCGC™ HDPE for Co-Extrude Blown Film/ Machine Direction Oriented Film

GRADE	H619F
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- General/Industrial packaging</li> <li>- Diaper back sheet</li> <li>- Stand up pouch</li> <li>- Laminated film and tube</li> <li>- Pressure sensitive adhesive label</li> </ul>
<b>Melt flow rate (MFR) at 190°C, 2.16kg (g/10min) ASTM D1238</b>	0.7
<b>Density (g/cm³) ASTM D1505</b>	0.962
<b>Tensile strength at break (MPa) ASTM D882</b>	MD 42, TD 35
<b>Elongation at break (%) ASTM D882</b>	MD 730, TD 4
<b>2% secant modulus (MPa) ASTM D882</b>	MD 915, TD 1010
<b>Elmendorf tear strength (g) ASTM D1922</b>	MD 8, TD 261
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- High film stiffness</li> <li>- High temperature resistance</li> <li>- Excellent compatibility with LLDPE, LDPE</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No.10/2011</li> <li>- Regulation (EC) 2023/2006 (GMP)</li> <li>- Packaging and Packaging waste Directive 94/62/EC</li> <li>- RoHS: Directive 2011/65/EU</li> <li>- JHOSPA</li> <li>- China's Hygienic Standards; GB9685 – 2016, GB4806.6 – 2016</li> <li>- Consult the regulations for complete details</li> </ul>





## SCGC™ HDPE for Cast Film/ Extrusion Coating/ Lamination

GRADE	H377C
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Non-breathable film</li> <li>- Breathable film</li> <li>- Laminated film</li> <li>- Sachet</li> </ul>
<b>Melt flow rate (MFR)</b> at 190°C, 2.16kg (g/10min) ASTM D1238	7.5
<b>Density</b> (g/cm³) ASTM D1505	0.961
<b>Tensile strength at break</b> (MPa) ASTM D882	MD 37, TD 28
<b>Elongation at break</b> (%) ASTM D882	MD 859, TD 3
<b>2% secant modulus</b> (MPa) ASTM D882	MD 706, TD 855
<b>Elmendorf tear strength</b> (g) ASTM D1922	MD 8, TD 64
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Excellent stiffness</li> <li>- Easy tearing in MD</li> <li>- Excellent temperature resistance and scratch resistance</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No.10/2011</li> <li>- Regulation (EC) 2023/2006 (GMP)</li> <li>- Packaging and Packaging waste Directive 94/62/EC</li> <li>- RoHS: Directive 2011/65/EU</li> <li>- JHOSPA</li> <li>- China's Hygienic Standards; GB9685 – 2016, GB4806.6 – 2016</li> <li>- Consult the regulations for complete details</li> </ul>

**Remark:** Film properties obtained from pilot line at SCGC, 25 micron, Melt temperature 220°C



## SCGC™ PP: HOMOPOLYMER & COPOLYMER for Cast Film

GRADE	P607F	P350F
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Snack pouch</li> <li>- Laminated film</li> <li>- Metalized film</li> </ul>	<ul style="list-style-type: none"> <li>- Retort packaging</li> </ul>
<b>Melt flow rate (MFR) at 230°C, 2.16kg (g/10min) ASTM D1238</b>	7.0	3.2
<b>Density (g/cm³) ASTM D1505</b>	0.910	0.900
<b>Tensile strength at break (MPa) ASTM D882</b>	MD 36, TD 9	MD 39, TD 25
<b>Elongation at break (%) ASTM D882</b>	MD 470, TD 20	MD 804, TD 656
<b>Haze (%) ASTM D1003</b>	9	11
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- High film stiffness</li> <li>- Good clarity</li> <li>- Good processability</li> </ul>	<ul style="list-style-type: none"> <li>- Excellent seal properties</li> <li>- Excellent clarity</li> <li>- Good stress-whitening resistance</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No.10/2011</li> <li>- Regulation (EC) No.1907/2006 (REACH)</li> <li>- Packaging and Packaging waste Directive 94/62/EC</li> <li>- RoHS: Directive 2011/65/EU</li> <li>- China's Hygienic Standards; GB9685 – 2016, GB4806.6 – 2016</li> <li>- Consult the regulations for complete details</li> </ul>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No.10/2011</li> <li>- Regulation (EC) No. 1907/2006 (REACH)</li> <li>- Directive 2011/65/EU (RoHS)</li> <li>- Consult the regulations for complete details</li> </ul>

**Remark:** Film properties obtained from pilot line at SCGC, 25 micron (P607F) and 70 micron (P350F), Melt temperature 220°C





## SCGC™ PP: HOMOPOLYMER for Biaxial Oriented Film

GRADE	P405F
<b>Recommended applications</b>	<ul style="list-style-type: none"> <li>- Laminated film</li> <li>- Metalized film</li> <li>- Snack &amp; Confectionary pouch</li> <li>- Sachet</li> </ul>
<b>Melt flow rate (MFR)</b> at 230°C, 2.16kg (g/10min) ASTM 1238	3
<b>Density</b> (g/cm³) ASTM D1505	0.900
<b>Tensile strength at yield</b> (MPa) ASTM D638	35
<b>Elongation at yield</b> (%) ASTM D638	95
<b>Flexural modulus</b> (MPa) ASTM D790A	1500
<b>Haze</b> (%) ASTM D1003	1.1
<b>Notched izod impact strength at 23 °C</b> (J/M) ASTM D256A	47
<b>Key characteristics</b>	<ul style="list-style-type: none"> <li>- Good stretchability</li> <li>- High clarity</li> <li>- Good dimensional stability</li> </ul>
<b>International compliance standards</b>	<ul style="list-style-type: none"> <li>- U.S. FDA 21 CFR 177.1520</li> <li>- Regulation (EU) No. 10/2011</li> <li>- RoHS: Directive 2011/65/EU</li> <li>- Consult the regulations for complete details</li> </ul>

**Remark:** Film properties are based on film thickness 20 micron



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**Disclaimer:**

- The applications specified for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose.
- The customer is responsible for appropriate, safe, legal use, processing and handling of the product. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
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