



Technical Data Sheet

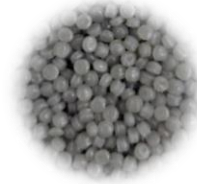
Product Name
SCGC GREEN POLYMER™

Product Type
PCR LLDPE for Film Application (Natural Color)

Product Grade
PCDLO1FN

Product Description

SCG GREEN POLYMER™ grade PCDLO1FN is a 100% certified Post-Consumer Recycled linear-low density polyethylene resin. This grade is suitable for LLDPE film application. This product is suitable for applied as film packaging and not intended for direct food contact, pharmaceutical or medical applications.



Typical Application

- Stretch Cling film
- Shopping bag
- Trash bag
- Outer bag
- Shrink film

Product Characteristics

- Natural color

International Compliance

- Global Recycled Standard (GRS)

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate	ASTM D 1238 @ 190 °C, 2.16 kg	1.1 – 2.6	g/ 10 min
Density	ASTM D 792	0.90 – 0.94	g/cm ³
Ultimate Tensile (MD/TD)	ASTM D 882	15/18	MPa
Ultimate Elongation (MD/TD)	ASTM D 882	563/667	%
Modulus (MD/TD)	ASTM D 882	13/12	MPa
Dart Drop Impact	ASTM D 1709 (A)	145	g

Note: The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.

Processing Guidelines

The actual extrusion condition depends on type of using machine, size and wall thickness of product required. Generally, melt temperature should be 160 – 210 °C with blow up ratio (BUR) = 2 – 3 times of die diameter.

Product Technical Assistance

For technical assistance or further information on this product or any other SCG Chemicals' products, contact your SCG Chemicals technical service at the address or telephone number as specified below.



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Product Available Form

- Pellet

Product Packaging

- 25 kg loose bag
- 25 kg stretch wrap palletized
(40 bags/ wooden pallet)

Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50 °C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

Safety

- The product is not classified as a hazardous material.
- Please see our Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your SCG Chemicals technical service.



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Recycling

- The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.
- Please see our Safety Datasheet for details on various aspects of safety, recovery and disposal of the products; for more information, contact your SCG Chemicals technical service.

Related Documents

- The latest version of this document will be available at our website, www.scgchemicals.com, or can be obtained from the SCG Chemicals technical service.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
 - Safety Data Sheet
 - Declaration of Compliance

Disclaimer

- The Applications specified herein is 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.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials