PRODUCT DATA SHEET

HD5712

HIGH-DENSITY POLYETHYLENE

Product Description

HD5712 is a multimodal high-density polyethylene (HDPE) grade which possesses an excellent combination of stiffness and impact performance. It contains standard stabilization additive package. This grade is suitable to be processed on blown film lines at high output rates for high quality thin and thick film production.

Characteristics

- High output rates with excellent bubble stability, low gel levels and homogeneous appearance
- Very good dart drop impact property
- Very high stiffness

Applications

- Very thin reinforcing film
- Wrapping film
- Grocery bags
- Merchandize bags
- Disposal waste bags
- Shopping bags

Properties

Typical Properties	Test Method	Units	Typical Value
Physical			
Melt Flow Rate @ 5.0 kg	ISO 1133	g/10min	0.4
Melt Flow Rate @ 21.6 kg	ISO 1133	g/10min	12
Density	ISO 1183	g/cm^3	0.957
Mechanical			
Tensile Strength			
MD	ISO 527-3	MPa	75
TD	ISO 527-3	MPa	65
Tensile Strain @ Break			
MD	ISO 527-3	%	400
TD	ISO 527-3	%	470
Dart Impact	ASTM D1709	g	> 200

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications. User should confirm results by their own tests. Film properties are measured using 20 µm thickness blown film extruded at a melt temperature of 210°C, blow-up ratio 4 : 1.

Typical Processing Conditions

HD5712 can be processed on most standard film conversion equipment designed for HDPE. Optimization may be required depending on the exact end use requirement. Melt temperature in the range of 190-230°C are typically used.

Regulatory Information

Details of information will be provided in a relevant declaration letter upon request.

Processing and Handling

HD5712 should be stored in a dry, under shaded and ventilated environment at a temperature below 40°C. Prolong of improper storage can result in deterioration of product properties.

Health and Safety

This product is not classified as a dangerous preparation. Before using this product, customer is advised to consult PRefChem's Safety Data Sheet (SDS) to understand the precautions in various aspect of safety, recovery and disposal of the product.

For More Information

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