

Chevron Phillips Marlex® K605 HDPE Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Resin Type: Ethylene Homopolymer
Characteristics: Good ESCRExceptional rigidityExcellent melt strength
Applications: Automotive bumper beams
Information provided by Chevron Phillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-K605-HDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D1505
ESCR 100% Igepal®	30 hour	30 hour	Condition B; ASTM D1693
	60 hour	60 hour	Condition A; ASTM D1693
Melt Flow	11 g/10 min	11 g/10 min	Condition 190/21.6, HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D2240
Tensile Strength, Yield	29.0 MPa	4210 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	750 %	750 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	1.65 GPa	239 ksi	Tangent, 16:1 span:depth,0.5in/min; ASTM D790
Tensile Impact Strength	240 kJ/m ²	114 ft-lb/in ²	Type S bar; ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	91.0 °C	196 °F	Method A; ASTM D648
Vicat Softening Point	130 °C	266 °F	Loading 1, Rate A; ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	Type A, type 1 specimen; ASTM D746

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China