

Chevron Phillips Marlex® 9509HF High Density Polyethylene, Blow Molding

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

Material Notes:

This gas phase, high molecular weight, hexane copolymer with synthetic antistatic agent is tailored for lightweight blow molded applications that: Require outstanding ESCR Require excellent impact resistance Are durable and recyclable for sustainability Typical blow molded applications for 9505HF include: Detergent bottles Household and industrial chemical containers Industrial containers / Large parts This resin meets these specifications: ASTM D4976 - PE 235 FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per 21 CFR 176.170(c) Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-9509HF-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.949 g/cc	0.949 g/cc	ASTM D1505
ESCR 100% Igepal®	250 hour	250 hour	Condition B, F50; ASTM D1693
Melt Flow	0.34 g/10 min @Load 2.16 kg, Temperature 190 °C	0.34 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	500 %	500 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 °C	<= -103 °F	Type A clamp, Type I 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