

Chevron Phillips Marlex® 9515H 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 antistatic agent is tailored for lightweight blow molded applications that: Require excellent stiffness to ESCR ratio Require good melt strength Are durable and recyclable for sustainability Typical blow molded applications for 9515H include: 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, foods of > pH5, types I, IV-B, VI-B, VII-B, use conditions E through G 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-9515H-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.957 g/cc	0.957 g/cc	ASTM D1505
ESCR 100% Igepal®	50 hour	50 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	30.0 MPa	4350 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	800 %	800 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	1.41 GPa	205 ksi	Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 °C	<= -103 °F	Type A clamp, Type I Specimen; ASTM D746

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