

Chevron Phillips Marlex® CL-200YB (Black) Rotational molding crosslinkable high density polyethylene (discont)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Crosslinkable

Material Notes:

Benefits: crosslinks during molding - has outstanding melt strength at 204°C, is formulated to provide maximum UV protection for long-term outdoor weathering, contains an internal mold release, excellent stress cracking resistance to gasoline and other chemicals, outstanding impact strength at temperatures as low as -40°C
Characteristics: 95 J at 3 mm Impact Strength (-40°C); ARM Test Method, 260 J at 6 mm Impact Strength (-40°C); ARM Test Method
Applications: trash containers and lids for automated refuse collection systems, industrial and agricultural chemical storage tanks, small engine, snowmobile, and marine fuel tanks, tractor fuel tanks
 Information provided by Chevron Phillips Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-CL-200YB-Black-Rotational-molding-crosslinkable-high-density-polyethylene-nbspdiscont.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 1000 hour @Temperature 50.0 °C	>= 1000 hour @Temperature 122 °F	Condition A; ASTM D 1693

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638 Type IV
Elongation at Break	450 %	450 %	ASTM D638 Type IV
Flexural Modulus	0.690 GPa	100 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	124 °C	255 °F	ASTM D1525
Brittleness Temperature	<= -90.0 °C	<= -130 °F	ASTM D746

Processing Properties	Metric	English	Comments
Processing Temperature	246 - 326 °C	475 - 619 °F	oven temperature for hot air machines 246-326°C, Marlex crosslinkable resins require special handling during processing

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