Chevron Phillips Marlex® HHM 5502-02 LD High Density Ethylene Hexene Copolymer with Antistat (discontinued **

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

Material Notes:

High Density Ethylene Hexene Copolymer with AntistatCustomer Benefits: The resin allows the blow molder to reduce inventory of resin types, because it can be used to package bleach and most detergents. Has excellent stiffness and excellent SCR.Applications: Bottles for bleach and detergents, industrial chemicals, and industrial partsProcessing Recommendations:Blow Molding Stock Temperature: Upper Limit: 204°C, Lower Limit: 171°CExtrusion Melt Temperature: Upper Limit: 216°C, Lower Limit: 194°CThermoforming Surface Temperature: Upper Limit: 182°C, Lower Limit: 171°CSag Upper Limit: 23 cm, Lower Limit: 18 cm; 2 ft. X 4ft. X 125 mil thick blank heated to forming temperature.Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-5502-02-LD-High-Density-Ethylene-Hexene-Copolymer-with-Antistat-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in³	ASTM D1505
Environmental Stress Crack Resistance	45 hour	45 hour	Condition A, F₅₀ 100% Igepal CO-630, ASTM D1693; Condition B, F₅₀: 35, ASTM D1693
Melt Flow	0.30 g/10 min	0.30 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	2 in per min; ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -118 °C	<= -180 °F	ASTM D746

Processing Properties	Metric	English	Comments
Processing Temperature	171 - 182 °C	340 - 360 °F	Thermoforming Surface
	171 - 204 °C	340 - 399 °F	Blow Molding
	194 - 216 °C	381 - 421 °F	Extrusion

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