

Chevron Phillips Marlex® K307 MDPE Hexene Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Extruded

Material Notes:

Extrusion grade hexene copolymer Characteristics: good processability, excellent melt strength, broad fusion range, outstanding stress crack resistance, meets the requirements of GRI-GM13. Meets ASTM D4976-89 - PE 235. ASTM D1248 - Type II, Class A, Category 5.

Applications: pond liners, gas and chemical tank containment liners, landfill liners Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-K307-MDPE-Hexene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 1500 hour	>= 1500 hour	Cond. C; 100% Igepal®; F₅₀; ASTM D1693
	>= 1500 hour	>= 1500 hour	Cond. B; 10% Igepal®; F₅₀; ASTM D1693
High Load Melt Index	21 g/10 min @Load 21.6 kg, Temperature 190 °C	21 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	Type IV; 50 mm per min crosshead speed; ASTM D638
Elongation at Break	>= 700 %	>= 700 %	Type IV; 50 mm per min crosshead speed; ASTM D638
Flexural Modulus	0.834 GPa	121 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Processing Temperature	193 - 232 °C	379 - 450 °F	Extrusion Stock

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