

Chevron Phillips Marlex® K306 Fully Formulated Medium Density Hexene Copolymer

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

Material Notes:

Fully Formulated Medium Density Hexene Copolymer Customer Benefits: This extrusion grade hexene copolymer has good processability, excellent melt strength, broad fusion range, outstanding ESCR, meets the requirements of GRI-GM12
Applications: Recommended rein for pond liners, gas and chemical tank containment liners, landfill liners.
Processing Recommendations: Extrusion Melt Temperature: Upper Limit: 232°C, Lower Limit: 193°C
Specification Data: ASTM D1248 - Type III, Class A, Category 5. ASTM D4976-89 PE 225
Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-K306-Fully-Formulated-Medium-Density-Hexene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	1500 hour	1500 hour	Condition C (100% Igepal), F₅₀, ASTM D1693; Condition B (10% Igepal), F₅₀: 1500, ASTM D1693
Melt Flow	12 g/10 min	12 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	2 in per min; ASTM D638 Type IV
Elongation at Break	>= 700 %	>= 700 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	0.800 GPa	116 ksi	ASTM D790

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

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