

Amco PRIMATOP HDPE 003952 Phillips Process Hexene Copolymer

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

Material Notes:

HDPE 003952 features excellent stiffness and stress crack resistance properties. Applications include blow molding and sheet extrusion thermoforming. Former A-Top Polymers product; part of Amco product line since 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Amco-PRIMATOP-HDPE-003952-Phillips-Process-Hexene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
ESCR 100% Igepal®	50 hour	50 hour	Condition A, F50; ASTM D1693
	50 hour	50 hour	Condition B, F50; ASTM D1693
Melt Index of Compound	0.35 g/10 min	0.35 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.9 MPa	3900 psi	2" per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" per min, Type IV; ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790

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

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