

Amco PRIMATOP HDPE 003955P Phillips Process Hexene Copolymer

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

Material Notes:

HDPE 003955P 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-003955P-Phillips-Process-Hexene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
ESCR 100% Igepal®	35 hour	35 hour	Condition B, F50; ASTM D1693
	45 hour	45 hour	Condition A, 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	27.6 MPa	4000 psi	2" per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" per min, Type IV; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790

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

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