

Amco PRIMATOP HDPE HMW 1000950 High Molecular Weight Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), UHMW PE Ultra High Molecular Weight

Material Notes:

HDPE HMW 1000950 features good melt strength, excellent stress cracking resistance, good rigidity, and excellent impact strength.

Applications include agricultural chemical tanks, pallets, and large formed and blow molded parts. 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-HMW-1000950-High-Molecular-Weight-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 600 hour	>= 600 hour	Condition A, F50
	>= 600 hour	>= 600 hour	Condition B, F50
Melt Index of Compound	10 g/10 min @Load 21.6 kg, Temperature 190 °C	10 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	50 mm/min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	50 mm/min, Type IV; ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -90.6 °C	<= -131 °F	ASTM D746

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