

Ovation Polymers Nima™ HL 18400 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

High Density Polyethylene - Halogenated FR compound with good impact resistance. *All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nima-HL-18400-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Melt Index of Compound	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	18.0 MPa	2610 psi	50 mm/min; ASTM D638
Elongation at Break	>= 50 %	>= 50 %	50 mm/min; ASTM D638
Tensile Modulus	0.400 GPa	58.0 ksi	50 mm/min; ASTM D638
Flexural Strength	16.0 MPa	2320 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	0.320 GPa	46.4 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.869 J/cm	3.501 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	

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