

Diamond Polymers NPP50-1111 TF20 20% Talc Filled White High Density Polyethylene

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

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP50-1111-TF20-20-Talc-Filled-White-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D1505
Melt Flow	0.10 g/10 min	0.10 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	29.8 g/10 min	29.8 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.6 MPa	4730 psi	ASTM D638
Elongation at Break	>= 110 %	>= 110 %	ASTM D638
Flexural Strength	29.3 MPa	4250 psi	ASTM D790
Flexural Modulus	1.516 GPa	219.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.6 °C	193 °F	0.125";, ASTM D648
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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