

Ovation Polymers Nima™ HL 30525 GF FR PET, 25% Glass Fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

PET – Flame Retardant 25% Short Glass Fiber Reinforced. *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-30525-GF-FR-PET-25-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.0 MPa	14200 psi	50 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	50 mm/min; ASTM D638
Tensile Modulus	5.50 GPa	798 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	150 MPa	21800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	8.00 GPa	1160 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	170 °C @Thickness 3.20 mm	338 °F @Thickness 0.126 in	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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