

Ovation Polymers Nemcon™ H PK DP110/X5 Polyetheretherketone

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Thermally Conductive Polyetheretherketone, excellent chemical, high stiffness, modulus and HDT. *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-Nemcon-H-PK-DP110X5-Polyetheretherketone.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	50 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	50 mm/min; ASTM D638
Tensile Modulus	6.25 GPa	906 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	135 MPa	19600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.05 GPa	1020 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.325 J/cm	0.609 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.10 W/m-K	21.5 BTU-in/hr-ft ² -°F	Internal Method
Deflection Temperature at 1.8 MPa (264 psi)	206 °C @Thickness 3.20 mm	403 °F @Thickness 0.126 in	unannealed; ASTM D648
Glass Transition Temp, Tg	150 °C	302 °F	ASTM D3482

Electrical Properties	Metric	English	Comments
Surface Resistance	8.00e+12 ohm	8.00e+12 ohm	Internal Method

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