

**Ovation Polymers Nemcon™ H PK DP110/X5 PEEK**

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

**Material Notes:**

Thermally Conductive Polyetheretherketone, excellent chemical, high stiffness, modulus and HDT. Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-Nemcon-H-PK-DP110X5-PEEK.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-H-PK-DP110X5-PEEK.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 @Temperature 23.0 °C	0.609 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.10 W/m-K	21.5 BTU-in/hr-ft <sup>2</sup> -°F	ASTM E-1461
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 Resistivity per Square	8.00e+12 ohm	8.00e+12 ohm	ASTM D257

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**