

# NEMCON H PK DP110/X5

Polyetheretherketone  
Ovation Polymers Inc.

Message:

Thermally Conductive Polyetheretherketone, excellent chemical, high stiffness, modulus and HDT.

General Information			
Features	Heat conduction		
	Rigidity, high		
	Good chemical resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	6250	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	75.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	2.5	%	ASTM D638
Flexural Modulus <sup>4</sup> (50.0 mm Span)	7050	MPa	ASTM D790
Flexural Strength <sup>5</sup> (Yield, 50.0 mm Span)	135	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	33	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	206	°C	ASTM D648
Glass Transition Temperature	150	°C	DSC
Thermal Conductivity	3.1	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0E+12	ohms	ASTM D257
Additional Information			
The value listed as Glass Transition Temp DSC, was tested in accordance with ASTM D3482.The value listed as Surface Resistivity ASTM D257, was tested in accordance with Ovation Polmers internal testing methods.The value listed as Thermal Conductivity ASTM C177, was tested in accordance with ASTM E1461.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

