

NEMCON E PK DP104

Polyetheretherketone

Ovation Polymers Inc.

Message:

Nemcon™ E PK DP104 is a carbon fiber-reinforced polyetheretherketone, characterized by very high strength, stiffness, consistent moldability, and exceptional thermal resistance.

General Information	
Filler / Reinforcement	Carbon Fiber
Features	Good Moldability
	High Heat Resistance
	High Stiffness
	High Strength

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	19500	MPa	ASTM D638
Tensile Strength ² (Break)	200	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0	%	ASTM D638
Flexural Modulus ⁴	18600	MPa	ASTM D790
Flexural Strength ⁵ (Yield)	320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	332	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	ASTM D257

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	50 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

