

Thermec N™ 4340CF40

Polyphthalamide
Technical Polymers, LLC

Message:
PPA, 40% Carbon Fiber, Natural
Processing Method: Injection Molding

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 40% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	28000	MPa	ISO 527-2
Tensile Stress (23°C)	240	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.0 - 3.0	%	ISO 527-2
Flexural Stress (23°C)	405	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	8.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	282	°C	ISO 75-2/A
Melting Temperature (DSC)	310	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms · cm	ISO 3915
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	115 - 125	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	300 - 330	°C	
Mold Temperature	140 - 160	°C	

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

