

Thermec N™ 4314R50H

Polyphthalamide
Technical Polymers, LLC

Message:
PPA, 50% Glass Fiber, Heat Stabilized
Processing Method: Injection Molding

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	17500	MPa	ISO 527-2
Tensile Stress (23°C)	245	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.0 - 3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	285	°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	90 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	325 - 345	°C	
Mold Temperature	135 - 165	°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

