

Thermec N™ 4314R60H Bk-1

Polyphthalamide
Technical Polymers, LLC

Message:
PPA, 60% Glass Fiber, Heat Stabilized, Black
Processing Method: Injection Molding

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.76	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	23500	MPa	ISO 527-2
Tensile Stress (23°C)	250	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)	12	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	290	°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	

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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

