

Thermec™ 6250R40

Polyphenylene Sulfide
Technical Polymers, LLC

Message:

Thermec™6250R40 is a polyphenylene sulfide (PPS) material, which contains a 40% glass fiber reinforced material. This product is available in North America and is processed by injection molding. Thermec™The main characteristics of 6250R40 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	186	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.5	%	ASTM D638
Flexural Modulus (23°C)	13800	MPa	ASTM D790
Flexural Strength (23°C)	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	266	°C	ASTM D648
Melting Temperature	280	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information			
Tensile Elongation, ASTM D638: 1 to 2%Volum Resistivity, ASTM D257: >1e15 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	135 - 149	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	316 - 343	°C	
Mold Temperature	135 - 149	°C	

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Recommended distributors for this material

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