

Sultron® R40

Polyphenylene Sulfide

Asia International Enterprise (Hong Kong) Limited

Message:

Sultron® R40 is a Polyphenylene Sulfide (PPS) material filled with 40% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Sultron® R40 are:

Flame Rated

Flame Retardant

Heat Resistant

General Information			
UL YellowCard	E252275-101499888		
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Flame Retardant		
	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Molding Shrinkage	0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Flexural Modulus	13000	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	275	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	150 to 180	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	300 to 340	°C	
Mold Temperature	130 to 150	°C	
Injection Pressure	40.0 to 100	MPa	

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Recommended distributors for this material

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