

Sultron® R10

Polyphenylene Sulfide

Asia International Enterprise (Hong Kong) Limited

Message:

Sultron®R10 is a polyphenylene sulfide (PPS) material, and the filler is 10% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Sultron®The main features of R10 are:

flame retardant/rated flame

Flame Retardant

Heat resistance

General Information			
UL YellowCard	E252275-585827		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Heat resistance, high		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage	0.90	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	110	MPa	ISO 527-2
Flexural Modulus	9500	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	265	°C	ISO 75-2/B
1.8 MPa, not annealed	245	°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	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	310 - 320	°C	
Middle Temperature	320 - 340	°C	
Front Temperature	330 - 340	°C	
Nozzle Temperature	290 - 300	°C	
Mold Temperature	80.0 - 150	°C	

Injection Pressure	30.0 - 120	MPa
Holding Pressure	40.0 - 50.0	MPa
Back Pressure	5.00 - 10.0	MPa
Screw Speed	40 - 80	rpm

Injection instructions

Cylinder Temperature 4: 290 to 310°C

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Recommended distributors for this material

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