

Sultron® R70

Polyphenylene Sulfide

Asia International Enterprise (Hong Kong) Limited

Message:

Sultron® R70 is a polyphenylene sulfide (PPS) material, which contains 60% glass and mineral. 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 R70 are:

flame retardant/rated flame

Flame Retardant

Heat resistance

General Information			
UL YellowCard	E252275-585828		
Filler / Reinforcement	Glass \mineral, 60% filler by weight		
Features	Heat resistance, high		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.90	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2
Flexural Modulus	16000	MPa	ISO 178
Flexural Stress	240	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	280	°C	ISO 75-2/B
1.8 MPa, not annealed	260	°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

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



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