

# Sultron® R20

Polyphenylene Sulfide

Asia International Enterprise (Hong Kong) Limited

## Message:

Sultron® R20 is a polyphenylene sulfide (PPS) material, and its filler is 20% 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 R20 are:

flame retardant/rated flame

Flame Retardant

Heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Heat resistance, high		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	130	MPa	ISO 527-2
Flexural Modulus	10500	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	14	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	270	°C	ISO 75-2/B
1.8 MPa, not annealed	250	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

