

Megatron® PPS-GF40R

Polyphenylene Sulfide

Mega Polymers

Message:

Polyphenylene Sulfide 40% glass fiber reinforced

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.0 to 3.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	160	MPa	ASTM D638
Tensile Elongation (Break)	1.0 to 2.0	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Flexural Strength	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	280	°C	
1.8 MPa, Unannealed	267	°C	
Continuous Use Temperature	220	°C	UL 746
Melting Temperature	280	°C	ISO 11357-3
RTI Imp	220	°C	UL 746
RTI Str	225	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	5VA		

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

