Thermec™ 4140RMC65

Polyphenylene Sulfide

Technical Polymers, LLC

Message:

Thermec™4140RMC65 is a polyphenylene sulfide (PPS) material containing 65% glass \mineral. This product is available in North America and is processed by injection molding.
Thermec™The main features of 4140RMC65 are:
flame retardant/rated flame
high liquidity

General Information			
Filler / Reinforcement	Glass \mineral, 65% filler by weight		
Features	High liquidity		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.95	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	124	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.4	%	ASTM D638
Flexural Modulus (23°C)	17900	MPa	ASTM D790
Flexural Strength (23°C)	207	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	270	°C	ASTM D648
Melting Temperature	280	°C	DSC
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	V-0		UL 94
Additional Information			
Volum Resistivity, ASTM D257: >1e13 ohm-cm			
Injection	**Nominal Value**	**Unit**	
Drying Temperature	135 - 149	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	316 - 343	°C	
Mold Temperature	135 - 149	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.103 - 0.689	MPa	
Screw Speed	100	rpm	

Clamp Tonnage	3.4 - 5.5	kN/cm²
Cushion	6.35 - 12.7	mm
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.5:1.0	

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

WECHAT