

Ceramer 20

Polyphenylsulfone

Ceramer GmbH

Message:

Ceramer and Ceramerplus are high performance polymers and additives based on polyphenylene sulfone (PPSO2). Ceramer and Ceramerplus have excellent thermal stability, inherent flame resistance and universal chemical resistance.

General Information	
Features	Flame Retardant
	Good Chemical Resistance
	Good Thermal Stability
Uses	Compounding
Appearance	Light Beige
Forms	Powder
Processing Method	Compounding
	Press Molding

Physical	Nominal Value	Unit	
Density	1.44	g/cm ³	
Crystallinity	60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain			ISO 178
Break, -30°C	2.1	%	
Break, 23°C	2.1	%	
Break, 100°C	1.9	%	
Break, 200°C	1.6	%	
Break, 300°C	2.8	%	
Flexural Modulus			ISO 178
-30°C	3960	MPa	
23°C	3850	MPa	
100°C	3410	MPa	
200°C	3030	MPa	
300°C	1740	MPa	
Flexural Stress			ISO 178
-30°C	87.0	MPa	
23°C	84.0	MPa	
100°C	65.0	MPa	
200°C	47.0	MPa	
300°C	43.0	MPa	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	> 295	°C	ISO 75-2/A
8.0 MPa, Unannealed	250	°C	ISO 75-2/C
Glass Transition Temperature	360	°C	
CLTE - Flow			
-50 to 100°C	4.9E-5	cm/cm/°C	
100 to 200°C	2.6E-5	cm/cm/°C	
200 to 300°C	2.5E-5	cm/cm/°C	
300 to 360°C	2.2E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	12	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.60		
10 kHz	3.50		
100 kHz	3.50		
1 MHz	3.41		
10 MHz	3.39		
500 MHz	3.37		
1.00 GHz	3.37		
10.0 GHz	3.28		
Dissipation Factor			ASTM D150
10 kHz	2.0E-3		
100 kHz	4.0E-3		
1 MHz	5.9E-3		
10 MHz	5.2E-3		
500 MHz	5.4E-3		
1.00 GHz	5.8E-3		
10.0 GHz	9.5E-3		

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



WECHAT