

Witcom PEEK 3C-EM

Polyetheretherketone

Witcom Engineering Plastics B.V.

Message:

Witcom PEEK 3C-EM is a Polyetheretherketone (PEEK) product filled with 15% carbon fiber. It is available in Europe.

Characteristics include:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Features	Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.30 to 0.50	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.45	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 170	MPa	ISO 527-2
Tensile Strain (Break)	1.0 to 3.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	315	°C	ISO 75-2/A
CLTE - Flow	2.3E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	220	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+4 to 1.0E+6	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		ISO 1210
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12

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.

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

