

SEPAZ™ C140GM

Liquid Crystal Polymer

Mando Advanced Materials Co., Ltd.

Message:

SEPAZ™ C140GM is a Liquid Crystal Polymer (LCP) product filled with 40% glass\mineral. It is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Molding Shrinkage ¹			ASTM D955
Flow	0.10	%	
Across Flow	0.40	%	
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	112	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	13200	MPa	ASTM D790
Flexural Strength	164	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.9	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	269	°C	ASTM D648
Peak Melting Temperature	335	°C	ASTM D2133
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	ASTM D257
Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D257
Dielectric Constant	3.60		ASTM D150
Dissipation Factor	0.023		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	350 to 360	°C	
Mold Temperature	40.0 to 150	°C	
NOTE			
1.	60°C Mold Temperature		

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