

LONGLITE® PMC T399J

Chang Chun Plastics Co., Ltd. (CCP Group) - Phenolic

General Information

Product Description

PMC T 399J is a glass fiber- and mineral-reinforced phenolic injection moulding compound

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber	• Mineral	
Features	• Chemical Resistant	• Good Moldability	• Oil Resistant
	• Fuel Resistant	• Good Weather Resistance	• Solvent Resistant
	• Good Electrical Properties	• High Heat Resistance	• Wear Resistant
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.71		ASTM D792
Density	1.71	g/cm ³	ISO 1183
Molding Shrinkage	0.50	%	JIS K6915
Water Absorption (24 hr)	0.040	%	ASTM D570
Water Absorption (24 hr, 73°F)	0.040	%	ISO 62
Mechanical			
Flexural Strength	23200	psi	ASTM D790
Flexural Stress	23200	psi	ISO 178
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	381	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	381	°F	ISO 75-2/A
Electrical			
Surface Resistivity	2.0E+11	ohms	ASTM D257
Surface Resistivity	2.0E+11	ohms	IEC 60093
Dielectric Strength (0.0787 in)	430	V/mil	ASTM D149
Electric Strength (0.0787 in)	430	V/mil	IEC 60243-1
Additional Information			
Spiral Flow, CCP: 65 cm			
Heat Resistance, IEC 60216-P1, 2 hr: 210°C			
Charpy Impact, JIS K7111: 5.1 kg cm/cm ²			

Processing Information

	Nominal Value	Unit
Injection		
Rear Temperature	140 to 203	°F
Middle Temperature	140 to 203	°F
Front Temperature	140 to 203	°F
Nozzle Temperature	185 to 203	°F
Processing (Melt) Temp	230 to 248	°F
Mold Temperature	347 to 392	°F
Back Pressure	116 to 145	psi
Injection Notes		
Hardening Time: 45 sec		

