

LONGLITE® PMC T 399J

Phenolic

CCP Group

Message:

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

General Information			
UL YellowCard	E59481-256513		
Filler / Reinforcement	Glass fiber reinforced material Mineral filler		
Features	Solvent resistance Good formability Good electrical performance Good chemical resistance Good wear resistance Good weather resistance Fuel resistance Heat resistance, high Oil resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	0.50	%	JIS K6915
Water Absorption			
24 hr	0.040	%	ASTM D570
23°C, 24 hr	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	160	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	194	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+11	ohms	ASTM D257, IEC 60093
Dielectric Strength (2.00 mm)	17	kV/mm	ASTM D149, IEC 60243-1
Additional Information			
Spiral Flow, CCP: 65 cmHeat Resistance, IEC 60216-P1, 2 hr: 210°CCharpy Impact, JIS K7111: 5.1 kg cm/cm ²			
Injection	Nominal Value	Unit	

Rear Temperature	60.0 - 95.0	°C
Middle Temperature	60.0 - 95.0	°C
Front Temperature	60.0 - 95.0	°C
Nozzle Temperature	85.0 - 95.0	°C
Processing (Melt) Temp	110 - 120	°C
Mold Temperature	175 - 200	°C
Back Pressure	0.800 - 1.00	MPa

Injection instructions

Hardening Time: 45 sec

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Recommended distributors for this material

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