

LONGLITE® PMC T 375 JX

Phenolic

CCP Group

Message:

PMC T 375 JX is a wood flour and mineral reinforced phenolic injection moulding compound with improved heat resistance

General Information			
Filler / Reinforcement	Mineral filler		
	Wood flour		
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	1.51	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	0.50 - 1.0	%	ISO 2577
Water Absorption			
24 hr	0.16	%	ASTM D570
23°C, 24 hr	0.16	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	90.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	181	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.1E+9	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength (2.00 mm)	13	kV/mm	ASTM D149, IEC 60243-1
Arc Resistance	150	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.970 mm)	V-0		UL 94
Additional Information			

Spiral Flow, CCP: 68 cmHeat Resistance, IEC 60216-P1, 2 hr: 200°CCharpy Impact, JIS K7111: 3.45 kg cm/cm²

Injection	Nominal Value	Unit
Rear Temperature	40.0 - 90.0	°C
Middle Temperature	40.0 - 90.0	°C
Front Temperature	40.0 - 90.0	°C
Nozzle Temperature	85.0 - 105	°C
Processing (Melt) Temp	110 - 120	°C
Mold Temperature	165 - 195	°C
Injection Rate	Moderate-Fast	
Back Pressure	< 1.00	MPa
Screw Speed	30 - 50	rpm
Injection instructions		

Injection Time: 5 ± 2 secHardening Time: 15 ± 5 sec

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