

LONGLITE® PMC T 33

Phenolic

CCP Group

Message:

PMC T 33 is a granular wood flour and mineral reinforced phenolic product for compression moulding

General Information			
UL YellowCard	E59481-246755		
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	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	0.80	%	JIS K6915
Water Absorption			
24 hr	0.50	%	ASTM D570
23°C, 24 hr	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	55.0	MPa	ISO 527-2
--	55.0	MPa	ASTM D638
Flexural Strength	75.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	23	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	155	°C	ASTM D648, ISO 75-2/A
Melting Temperature ¹	170	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	ASTM D257, IEC 60093
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength (2.00 mm)	10	kV/mm	ASTM D149, IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (6.35 mm)	V-0		UL 94
Additional Information			
Monohole, CCP: 18 GDensity, ASTM D792 & ISO 1183: 1.36 to 1.37 g/cm ³ Charpy Notched Impact Strength, ASTM D256: 2.7 kg cm/cm ² Compression Molding Conditions -Preheating Temperature: 90 to 120°C Mold Temperature: 150 to 180°C Molding Presssure: 150 to 1000 bar			
NOTE			
1.	Maximum application, 2 hours		

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