

# LONGLITE® PMC T375J

Phenolic

CCP Group

## Message:

PMC-T375J Black Phenolic is a two-stage, heat resistant/electrical molding material offering excellent mold process-ability and optimized Cure cycles. Typical applications include circuit breaker, transformer part , telecommunication application, etc.

General Information			
Features	Fast Cure Good Electrical Properties Good Moldability Medium Heat Resistance		
Uses	Electrical Parts Electrical/Electronic Applications Telecommunications		
UL File Number	E59481		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792, JIS K7112
Molding Shrinkage	9.5	%	JIS K6915, ASTM D955
Water Absorption			
24 hr	0.18	%	ASTM D570
23°C, 24 hr	0.18	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638, JIS K6911
Flexural Strength	90.0	MPa	ASTM D790, JIS K7203
Compressive Strength	190	MPa	ASTM D695, JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Impact Strength			
--	2.9	kN/m	ASTM D256
--	2.9	kN/m	JIS K7111
Izod Impact			
--	2.5	kN/m	ASTM D256
--	2.5	kN/m	JIS K6911
Shelf Life	12	month	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	°C	ASTM D648, JIS K7207
RTI Elec	150	°C	UL 746
RTI Imp	150	°C	UL 746
RTI Str	150	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257, JIS K6911
Dielectric Strength	13	kV/mm	ASTM D149, JIS K6915
Arc Resistance	PLC 5		ASTM D495
Comparative Tracking Index (CTI)	PLC 3		UL 746
Insulation Resistance			
-- 1	1.0E+10	ohms	ASTM D257
-- 2	1.0E+10	ohms	JIS K6915
-- 3	1.0E+8	ohms	ASTM D257
-- 4	1.0E+8	ohms	JIS K6915
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.450 mm)	V-0		UL 94
NOTE			
1.	(N)		
2.	(N)		
3.	(B)		
4.	(B)		

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#### Recommended distributors for this material

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