

LONGLITE® PMC T391

Phenolic

CCP Group

Message:

PMC-T391 Black Phenolic is a two-stage, high specific gravity molding material offering excellent dimensional stability and heat resistance. Typical applications include automobile interior parts and brake piston.

General Information			
Features	Good Dimensional Stability		
	High Heat Resistance		
	High Specific Gravity		
Uses	Automotive Applications		
	Automotive Interior Parts		
UL File Number	E59481		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.09	g/cm ³	ASTM D792, JIS K7112
Molding Shrinkage	1.5	%	JIS K6915, ASTM D955
Water Absorption			
24 hr	0.040	%	ASTM D570
23°C, 24 hr	0.040	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638, JIS K6911
Flexural Strength	120	MPa	ASTM D790, JIS K7203
Compressive Strength	230	MPa	ASTM D695, JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Impact Strength			
--	3.4	kN/m	ASTM D256
--	3.4	kN/m	JIS K7111
Izod Impact			
--	2.9	kN/m	JIS K6911
--	2.9	kN/m	ASTM D256
Shelf Life	12	month	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°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+13	ohms·cm	ASTM D257, JIS K6911
Dielectric Strength	14	kV/mm	ASTM D149, JIS K6915
Insulation Resistance			
-- 1	1.0E+12	ohms	ASTM D257
-- 2	1.0E+12	ohms	JIS K6915
-- 3	1.0E+11	ohms	ASTM D257
-- 4	1.0E+11	ohms	JIS K6915
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
NOTE			
1.	(N)		
2.	(N)		
3.	(B)		
4.	(B)		

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