

LONGLITE® PMC T310

Phenolic

CCP Group

Message:

PMC-T310 Black Phenolic is a two-stage, mechanical purpose molding material offering excellent mold process-ability and optimized Cure cycles. Typical applications include automotive interior parts, circuit breaker and drive train component, etc.

General Information			
UL YellowCard	E59481-246754		
Features	Fast Cure		
	Good Electrical Properties		
	Good Moldability		
Uses	Automotive Interior Parts		
	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E59481		
Appearance	Black		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792, JIS K7112
Molding Shrinkage	8.0	%	JIS K6915, ASTM D955
Water Absorption			
24 hr	0.15	%	ASTM D570
23°C, 24 hr	0.15	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	56.0	MPa	ASTM D638, JIS K6911
Flexural Strength	125	MPa	ASTM D790, JIS K7203
Compressive Strength	220	MPa	ASTM D695, JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Impact Strength			
--	4.4	kN/m	ASTM D256
--	4.4	kN/m	JIS K7111
Izod Impact			
--	3.7	kN/m	ASTM D256
--	3.7	kN/m	JIS K6911
Shelf Life	12	month	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	190	°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
Arc Resistance	PLC 5		ASTM D495
Comparative Tracking Index (CTI)	PLC 4		UL 746
Insulation Resistance			
-- 1	1.0E+11	ohms	ASTM D257
-- 2	1.0E+11	ohms	JIS K6915
-- 3	1.0E+9	ohms	ASTM D257
-- 4	1.0E+9	ohms	JIS K6915
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
NOTE			
1.	(N)		
2.	(N)		
3.	(B)		
4.	(B)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT