

LONGLITE® PMC T383J

Chang Chun Plastics Co., Ltd. (CCP Group) - Phenolic

General Information
Product Description

PMC-T383J Black Modified Phenolic is a two-stage, general purpose molding material offering excellent mold process-ability and optimized Cure cycles. Typical applications include cookware handles and knobs, Houseware appliance parts, etc.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Features	• Fast Cure • General Purpose • Good Moldability
Uses	• Household Goods • Normal Oven Cookware
UL File Number	• E59481
Appearance	• Black
Forms	• Granules
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43		ASTM D792
Density	1.43	g/cm ³	JIS K7112
Molding Shrinkage			
--	1.3	%	ASTM D955
--	1.3	%	JIS K6915
Water Absorption (24 hr)	0.40	%	ASTM D570
Water Absorption (24 hr, 73°F)	0.40	%	JIS K6911
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	7820	psi	ASTM D638
Tensile Stress	7820	psi	JIS K6911
Flexural Strength	12800	psi	ASTM D790
Flexural Stress	12800	psi	JIS K7203
Compressive Strength	28400	psi	ASTM D695
Compressive Stress	28400	psi	JIS K6911
Impact	Nominal Value	Unit	Test Method
Charpy Impact Strength			
--	1.63	ft·lb/in ²	ASTM D256
--	1.63	ft·lb/in ²	JIS K7111
Izod Impact			
--	0.551	ft·lb/in	ASTM D256
--	0.551	ft·lb/in	JIS K6911
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	311	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	311	°F	JIS K7207
RTI Elec	302	°F	UL 746B
RTI Imp	302	°F	UL 746B
RTI Str	302	°F	UL 746B
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Volume Resistivity	1.0E+12	ohms·cm	JIS K6911
Dielectric Strength			
--	230	V/mil	JIS K6915



--	230 V/mil	ASTM D149
Arc Resistance	PLC 6	ASTM D495
Comparative Tracking Index (CTI)	PLC 4	UL 746A
Insulation Resistance		
-- ²	1.0E+8 ohms	ASTM D257
-- ²	1.0E+8 ohms	JIS K6915
-- ³	1.0E+10 ohms	ASTM D257
-- ³	1.0E+10 ohms	JIS K6915
Flammability	Nominal Value	Unit
Flame Rating (0.24 in)	V-0	UL 94
Additional Information	Nominal Value	Unit
Shelf Life	12	month

Notes

¹ Typical properties: these are not to be construed as specifications.

² (B)

³ (N)

