

**LONGLITE® PMC T373J**

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

**General Information**
**Product Description**

PMC-T373J Black Phenolic is a two-stage, electrical purpose molding material offering excellent mold process-ability and optimized cure cycles. Typical applications include gas meter parts, houseware appliance part and electrical applications, etc.

**General**

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Fast Cure	• Good Electrical Properties	• Good Moldability
Uses	• Appliances	• Electrical/Electronic Applications	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.42		ASTM D792
Molding Shrinkage - Flow	0.012	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	8120	psi	ASTM D638
Flexural Strength	13800	psi	ASTM D790
Compressive Strength	31900	psi	ASTM D695
<b>Impact</b>			
Charpy Notched Impact Strength	0.643	ft·lb/in	ASTM D256
Notched Izod Impact	0.55	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	338	°F	ASTM D648
RTI Elec	302	°F	UL 746B
RTI Imp	302	°F	UL 746B
RTI Str	302	°F	UL 746B
<b>Electrical</b>			
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Dielectric Strength	280	V/mil	ASTM D149
Arc Resistance	PLC 6		ASTM D495
Comparative Tracking Index (CTI)	PLC 4		UL 746A
Insulation Resistance			ASTM D257
-- <sup>2</sup>	1.0E+8	ohms	
-- <sup>3</sup>	1.0E+10	ohms	
<b>Flammability</b>			
Flame Rating (0.08 in)	V-0		UL 94

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> (B)

<sup>3</sup> (N)

