



# Phenolic Molding Compound

UL File: E59481  
Form : Granular  
Storage Life : 1 Year

## PMC – T375J

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*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.*

<u>Typical Physical Properties</u>		Method		Metric	
Grade		ASTM	JIS	Value	Unit
<b>General</b>	Specific Gravity	D792	K7112	1.52	---
	Water Absorption	D570	K6911	0.18	%
	Molding Shrinkage	D955	K6915	0.0095	m/m
<b>Mechanical</b>	Charpy Impact	D256	K7111	3.0	Kgf/cm
	Izod Impact	D256	K6911	2.5	Kgf/cm
	Flexural Strength	D790	K7203	90	MPa
	Tensile Strength	D638	K6911	50	MPa
	Compressive Strength	D695	K6911	190	MPa
	Deflection Temp.	D648	K7207	180	°C
<b>Electrical</b>	Dielectric Strength	D149	K6915	13	KV/mm
	Insulation Resistance(N)	D257	K6915	10E+10	Ohm
	Insulation Resistance(B)	D257	K6915	10E+8	Ohm
	Volume Resistivity	D257	K6911	10E+12	Ohm-cm
<b>UL File</b>	UL 94 Flame Class			0.45	mm/V-0
	CTI PLC Level			3	---
	D495 PLC Level			5	---
	RTI			150	°C

*The typical values listed are results obtained from the testing of standard specimens using the stated test procedures, with said specimens molded under controlled laboratory conditions from representative samples of the product*

Ver 1<sup>st</sup>/2004