



# Phenolic Molding Compound

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

## PMC – T399J

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*PMC-T399J Black Phenolic is a two-stage, high mechanical purpose molding material offering excellent mold process-ability and optimized impact and tracking resistance. Typical applications include automobile interior parts, commutator, pulley, breaker part, etc.*

<u>Typical Physical Properties</u>		Method		Data	
Grade		ASTM	JIS	Typical	Unit
<b>General</b>	Specific Gravity	D792	K7112	1.7	---
	Water Absorption	D570	K6911	0.07	%
	Molding Shrinkage	D955	K6915	0.5	%
<b>Mechanical</b>	Charpy Impact	D256	K7111	5.0	Kgf cm/cm2
	Izod Impact	D256	K6911	4.5	Kgf cm/cm
	Flexural Strength	D790	K7203	17	Kgf / mm2
	Tensile Strength	D638	K6911	7.5	Kgf / mm2
	Compressive Strength	D695	K6911	23	Kgf / mm2
	Deflection Temp.	D648	K7207	200	°C
<b>Electrical</b>	Dielectric Strength	D149	K6915	14	KV/mm
	Insulation Resistance(N)	D257	K6915	5*10 <sup>11</sup>	Ohm
	Insulation Resistance(B)	D257	K6915	10 <sup>10</sup>	Ohm
	Volume Resistivity	D257	K6911	10 <sup>13</sup>	Ohm-cm
<b>UL File</b>	UL 94 Flame Class			0.76	mm/V-0
	CTI PLC Level			2	---
	D495 PLC Level			4	---
	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 1st/2012