



Phenolic Molding Compound

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

PMC – T310

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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 container covers, etc.

Typical Physical Properties		Method		Data	
Grade		ASTM	JIS	Typical	Unit
General	Specific Gravity	D792	K7112	1.53	---
	Water Absorption	D570	K6911	0.15	%
	Molding Shrinkage	D955	K6915	0.85	%
Mechanical	Charpy Impact	D256	K7111	4.5	Kgf cm/cm ²
	Izod Impact	D256	K6911	3.8	Kgf cm/cm
	Flexural Strength	D790	K7203	13.0	Kgf/mm ²
	Tensile Strength	D638	K6911	7.0	Kgf/mm ²
	Compressive Strength	D695	K6911	22	Kgf/mm ²
	Deflection Temp.	D648	K7207	190	°C
Electrical	Dielectric Strength	D149	K6915	14	KV/mm
	Insulation Resistance(N)	D257	K6915	10 ¹¹	Ohm
	Insulation Resistance(B)	D257	K6915	10 ¹⁰	Ohm
	Volume Resistivity	D257	K6911	10 ¹³	Ohm-cm
UL File	UL 94 Flame Class			3.0	mm/V-0
	CTI PLC Level			3	---
	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

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