



Phenolic Molding Compound

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

PMC – T373J

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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.

Typical Physical Properties (测试项目)		Method (测试方法)		Typical Data (代表值)	
Grade		ASTM	JIS	Value	Unit
General (一般)	Specific Gravity (比重)	D792	K7112	1.42	---
	Water Absorption (吸水率)	D570	K6911	0.3	%
	Molding Shrinkage (收縮率)	D955	K6915	0.012	m/m
Mechanical (機械特性)	Charpy Impact (夏式衝擊強度)	D256	K7111	3.5	Kgf/cm
	Izod Impact (艾式衝擊強度)	D256	K6911	3.0	Kgf/cm
	Flexural Strength (曲折強度)	D790	K7203	95	MPa
	Tensile Strength (引張強度)	D638	K6911	56	MPa
	Compressive Strength (壓縮強度)	D695	K6911	220	MPa
	Deflection Temp (熱變性溫度)	D648	K7207	170	°C
Electrical (電氣特性)	Dielectric Strength (耐電壓)	D149	K6915	11	KV/mm
	Insulation Resistance(N) (常態絕緣)	D257	K6915	1E+10	Ohm
	Insulation Resistance(B) (煮沸絕緣)	D257	K6915	1E+8	Ohm
	Volume Resistivity (體積阻抗)	D257	K6911	1E+12	Ohm-cm
UL File (UL 相關)	UL 94 Flame Class (耐燃)			2.0	mm/V-0
	CTI PLC Level (耐電蝕)			4	---
	D495 PLC Level (耐電弧)			6	---
	RTI (相對熱指數)			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