

ENZINRON (ESD PMMA)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.19
Tensile yield strength	ASTM D638	Mpa	70
Breaking elongation	ASTM D638	%	5
Bending strength	ASTM 790	Mpa	120
Flexural modulus	ASTM 790	Mpa	3000
Shore hardness	ASTM D2240	D	85
Impact strength	ASTM D256	J/M	20
Thermal Properties			
Melting point	DSC	°C	165
Heat distortion temperature	ASTM D648	°C	90
Operating temperature	-	°C	75
Maximum operating temperature	-	°C	90
Electrical Properties			
Volume resistivity	ASTM D257	Ω.cm	10 ⁶⁻⁹
Surface resistivity	ASTM D257	Ω	10 ⁶⁻⁹
Chemical Properties			
Water absorption	23°C 60%RH	%	0.3
Others			
Flammability	UL 94		HB
Transmittance	ASTM D1003	%	92

Remarks:

1. "+": positive "-": negative "0": depends.
2. All the parameters above are based on raw material but not finished products.

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