

ENZINRON (PETP)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.37
Tensile yield strength	ASTM D638	Mpa	88
Breaking elongation	ASTM D638	%	4
Bending strength	ASTM 790	Mpa	100
Flexural modulus	ASTM 790	Mpa	2700
Shore hardness	ASTM D2240	D	85
Impact strength	ASTM D256	J/M	40
Thermal Properties			
Melting point	DSC	°C	255
Heat distortion temperature	ASTM D648	°C	95
Operating temperature	-	°C	100
Maximum operating temperature	-	°C	150
Thermal conductivity	DIN 52612- 1	W/(K-M)	0.24
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ - 1/K	-
Electrical Properties			
Dielectric strength	ASTM D150	KV-mm	60
Dielectric loss factor	ASTM D150	-	0.0021
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁴
Surface resistivity	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	3.2
Chemical Properties			
Water absorption	23°C 60%RH	%	0.5
Acid resistance	23°C 60%RH		+
Others			
Flammability	UL 94		HB
Non toxic	EEC 90/128 FDA		+

Remarks:

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

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