

ENZINRON (PBT+30%GF)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.52
Tensile yield strength	ASTM D638	Mpa	150
Breaking elongation	ASTM D638	%	4
Bending strength	ASTM 790	Mpa	210
Flexural modulus	ASTM 790	Mpa	8900
Shore hardness	ASTM D2240	D	90
Impact strength	ASTM D256	J/M	110
Thermal Properties			
Melting point	DSC	°C	224
Heat distortion temperature	ASTM D648	°C	200
Operating temperature	-	°C	150
Maximum operating temperature	-	°C	180
Thermal conductivity	DIN 52612- 1	W/(K-M)	0.43
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ - 1/K	-
Electrical Properties			
Dielectric strength	ASTM D150	KV-mm	24
Dielectric loss factor	ASTM D150	-	0.016
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁵
Surface resistivity	ASTM D257	Ω	10 ¹⁴
Dielectric constant	ASTM D149	-	3.4
Chemical Properties			
Water absorption	23°C 60%RH	%	0.07
Acid resistance	23°C 60%RH		+
Others			
Flammability	UL 94		HB

Remarks:

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

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