

## ENZINRON (PBT)

	METHOD	UNIT	VALUE
<b>Mechanical Properties</b>			
Specific gravity	ASTM D792	g/cm <sup>3</sup>	1.31
Tensile yield strength	ASTM D638	Mpa	80
Breaking elongation	ASTM D638	%	4
Bending strength	ASTM 790	Mpa	100
Flexural modulus	ASTM 790	Mpa	2400
Shore hardness	ASTM D2240	D	90
Impact strength	ASTM D256	J/M	70
<b>Thermal Properties</b>			
Melting point	DSC	°C	224
Heat distortion temperature	ASTM D648	°C	110
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 <sup>-5</sup> - 1/K	-
<b>Electrical Properties</b>			
Dielectric strength	ASTM D150	KV-mm	22
Dielectric loss factor	ASTM D150	-	0.015
Volume resistivity	ASTM D257	Ω.cm	10 <sup>15</sup>
Surface resistivity	ASTM D257	Ω	10 <sup>14</sup>
Dielectric constant	ASTM D149	-	3.3
<b>Chemical Properties</b>			
Water absorption	23°C 60%RH	%	0.1
Acid resistance	23°C 60%RH		+
<b>Others</b>			
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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