

## ENZINRON (PETP+30%GF)

	METHOD	UNIT	VALUE
<b>Mechanical Properties</b>			
Specific gravity	ASTM D792	g/cm <sup>3</sup>	1.51
Tensile yield strength	ASTM D638	Mpa	165
Breaking elongation	ASTM D638	%	2
Bending strength	ASTM 790	Mpa	200
Flexural modulus	ASTM 790	Mpa	9500
Shore hardness	ASTM D2240	D	90
Impact strength	ASTM D256	J/M	40
<b>Thermal Properties</b>			
Melting point	DSC	°C	255
Heat distortion temperature	ASTM D648	°C	210
Operating temperature	-	°C	150
Maximum operating temperature	-	°C	180
Thermal conductivity	DIN 52612- 1	W/(K-M)	0.23
Coefficient of linear thermal	ASTM D696	10 <sup>-5</sup> - 1/K	-
<b>Electrical Properties</b>			
Dielectric strength	ASTM D150	KV-mm	30
Dielectric loss factor	ASTM D150	-	0.007
Volume resistivity	ASTM D257	Ω.cm	10 <sup>14</sup>
Surface resistivity	ASTM D257	Ω	10 <sup>16</sup>
Dielectric constant	ASTM D149	-	3.7
<b>Chemical Properties</b>			
Water absorption	23°C 60%RH	%	0.9
Acid resistance	23°C 60%RH		+
<b>Others</b>			
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.

1/F Office Building H , Hengli Industrial Park , No.168 Xiakeng 1st Road , Longgang District , Shenzhen , China 518116 .