

## ENZINRON (PI)

	METHOD	UNIT	VALUE
<b>Mechanical Properties</b>			
Specific gravity	ASTM D792	g/cm <sup>3</sup>	1.42
Tensile yield strength	ASTM D638	Mpa	90
Breaking elongation	ASTM D638	%	10
Bending strength	ASTM 790	Mpa	110
Flexural modulus	ASTM 790	Mpa	3000
Rockwell hardness	ASTM D785		48
Charpy impact strength	GB 1043	KJ/M <sup>2</sup>	80
<b>Thermal Properties</b>			
Melting point	DSC	°C	500
Heat distortion temperature	ASTM D648	°C	330
Operating temperature	-	°C	310
Maximum operating temperature	-	°C	330
Coefficient of linear thermal	ASTM D696	Um/m/K	55
<b>Electrical Properties</b>			
Dielectric strength	ASTM D150	KV-mm	100
Dielectric loss factor	ASTM D150	-	0.018
Volume resistivity	ASTM D257	Ω.cm	10 <sup>15</sup>
Surface resistivity	ASTM D257	Ω	10 <sup>17</sup>
Dielectric constant	ASTM D149	-	3.5
<b>Chemical Properties</b>			
Water absorption	23°C 60%RH	%	0.24
Resistance to hot water	23°C 60%RH		+
<b>Others</b>			
Flammability	UL 94		V-0
Non toxic	EEC 90/128 FDA		+
Anti-ultraviolet	-		+

### 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 .