

## ENZINRON (PPS)

	METHOD	UNIT	VALUE
<b>Mechanical Properties</b>			
Specific gravity	ASTM D792	g/cm <sup>3</sup>	1.35
Tensile yield strength	ASTM D638	Mpa	40
Breaking elongation	ASTM D638	%	15
Bending strength	ASTM 790	Mpa	58
Flexural modulus	ASTM 790	Mpa	3000
Shore hardness	ASTM D2240	D	85
Impact strength	ASTM D256	J/M	5
<b>Thermal Properties</b>			
Melting point	DSC	°C	280
Heat distortion temperature	ASTM D648	°C	250
Operating temperature	-	°C	220
Maximum operating temperature	-	°C	260
Thermal conductivity	DIN 52612- 1	W/(K-M)	0.3
Coefficient of linear thermal	ASTM D696	10 <sup>-5</sup> - 1/K	12.8
<b>Electrical Properties</b>			
Dielectric strength	ASTM D150	KV-mm	24
Dielectric loss factor	ASTM D150	-	0.002
Volume resistivity	ASTM D257	Ω.cm	10 <sup>16</sup>
Surface resistivity	ASTM D257	Ω	10 <sup>16</sup>
Dielectric constant	ASTM D149	-	-
<b>Chemical Properties</b>			
Water absorption	23°C 60%RH	%	0.01
Acid resistance	23°C 60%RH		+
Alkali resistance			+
Acid and alkali resistance			+
Resistance to sodium chlorate			0
Resistance to aromatic compounds			+
Resistance to ketone	23°C 60%RH		+
Resistance to hot water	23°C 60%RH		+
<b>Others</b>			
Flammability	UL 94		V-0
Viscosity	-		+
Non toxic	EEC 90/128 FDA		+
Coefficient of friction	DIN 53375		0.003
Anti-ultraviolet	-		

### Remarks:

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