

ENZINRON (PPO)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.06
Tensile yield strength	ASTM D638	Mpa	58
Breaking elongation	ASTM D638	%	30
Bending strength	ASTM 790	Mpa	90
Flexural modulus	ASTM 790	Mpa	2420
Shore hardness	ASTM D2240	D	82
Impact strength	ASTM D256	J/M	213
Thermal Properties			
Melting point	DSC	°C	280
Heat distortion temperature	ASTM D648	°C	137
Operating temperature	-	°C	105
Maximum operating temperature	-	°C	120
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ - 1/K	7.2
Electrical Properties			
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁴
Surface resistivity	ASTM D257	Ω	10 ¹³
Dielectric constant	ASTM D149	-	2.65
Chemical Properties			
Water absorption	23°C 60%RH	%	0.06
Acid resistance	23°C 60%RH		+
Alkali resistance			+
Acid and alkali resistance			+
Resistance to ketone	23°C 60%RH		+
Others			
Flammability	UL 94		HB
Viscosity	-		+
Anti-ultraviolet	-		0

Remarks:

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

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