

ENZINRON (PVC)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.4
Tensile yield strength	ASTM D638	Mpa	50
Breaking elongation	ASTM D638	%	10
Bending strength	ASTM 790	Mpa	70
Flexural modulus	ASTM 790	Mpa	2400
Shore hardness	ASTM D2240	D	95
Impact strength	ASTM D256	J/M	450
Thermal Properties			
Melting point	DSC	°C	120
Heat distortion temperature	ASTM D648	°C	70
Operating temperature	-	°C	60
Maximum operating temperature	-	°C	90
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ - 1/K	8
Electrical Properties			
Dielectric strength	ASTM D150	KV-mm	30
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁴
Surface resistivity	ASTM D257	Ω	10 ¹⁶
Chemical Properties			
Water absorption	23°C 60%RH	%	0.2
Acid resistance	23°C 60%RH		+
Alkali resistance			+
Acid and alkali resistance			+
Resistance to sodium chlorate			0
Resistance to aromatic compounds			0
Resistance to ketone	23°C 60%RH		-
Resistance to hot water	23°C 60%RH		+
Others			
Flammability	UL 94		V-0
Viscosity	-		+
Non toxic	EEC 90/128 FDA		-
Coefficient of friction	DIN 53375		0.6

Remarks:

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