

ENZINRON (ESD PEEK)

	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ISO 1183	g/cm ³	1.4
Tensile yield strength	ISO 527	Mpa	110
Breaking elongation	ISO 527	%	5
Bending strength	ISO 178	Mpa	145
Flexural modulus	ISO 178	Mpa	4.1
Rockwell Hardness	ISO 868	HR	82
Impact strength	ISO 179/1eA	KJ/M ²	7
Thermal Properties			
Melting point	ISO 11357	°C	334
Heat distortion temperature	ISO 75-f	°C	200
Operating temperature	-	°C	250
Maximum operating temperature	-	°C	310
Thermal conductivity	ISO/CD22007-4	W/(M×°C)	2
Electrical Properties			
Dielectric strength	IEC 60243-1	KV/mm	-
Volume resistivity	IEC 60093	Ω.cm	10 ⁶⁻⁹
Surface resistivity	GB/T 1410-2006	Ω	10 ⁶⁻⁹
Chemical Properties			
Water absorption	ISO 62-1	%	0.3
Acid resistance	23°C 60%RH		+
Alkali resistance			+
Acid and alkali resistance			+
Resistance to sodium chlorate			+
Resistance to aromatic compounds			+
Resistance to ketone	23°C 60%RH		+
Resistance to hot water	23°C 60%RH		+
Others			
Flammability	UL 94		V-0
Viscosity	-		+

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 .