

Ecotran[®] E2150T

Polyphenylene sulfide

Out line : Ecotran 2150T is a glass fiber and mineral filled PPS compound developed to provide a high impact strength, Dimensional stability

	Method	Unit	E2150T BK
General Information			GF & MF Super tough
Physical properties			
Density	ISO 1183/A	-	1.7
Water absorption	ISO 62	%	0.02
Mechanical properties			
Tensile strength	ISO 527-1, -2	Mpa	160
Tensile elongation at break	ISO 527-1, -2	%	1.6
Flexural strength	ISO 178	Mpa	245
Flexural modulus	ISO 178	Mpa	15,000
Charpy impact strength (notched/unnotched)	ISO 179/1eA,U	KJ/m2	9 / 50
Rockwell hardness	ISO 2039/2	R-Scale	112
Thermal properties			
Melting temperature	ISO 11357	°C	280
Coefficient of thermal expansion	ISO 11359-1, -2	µm/m.°C	15
Heat Deflection temperature, 1.82Mpa	ISO 75-1, -2/A	°C	265
Flammability (T=3.2mm)	UL 94	class	V-0
Electrical properties			
Dielectric strength (T=1.0mm)	IEC 60243-1	kv/mm	25
Dielectric constant, 1MHz	IEC 60250	-	4.0
Dielectric factor, 1MHz	IEC 60250	-	0.005
Comparative tracking index (CTI)	IEC 60112	Volt	175
Arc resistance	ASTM D495	sec.	120
Volume resistivity	IEC 60093	Ohm.cm	10 ¹⁶
Processing Conditions			
Pre-drying		-	120°C / 4hr
Cylinder temperature		°C	280 - 330
Mold temperature		°C	130 - 150

* The information provided in this data sheet is based on Initz's knowledge and test method, so it can not be used as guaranteed specification limits.