

Ecotran[®] E2130T

Polyphenylene sulfide

Out line : Ecotran E2130T is a 30% glass fiber reinforced super tough PPS compound with excellent impact, thermal shock, and hot water resistance.

	Method	Unit	E2130T BK
General Information			
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Physical properties			
Density	ISO 1183/A	-	1.5
Water absorption	ISO 62	%	0.02
Mold shrinkage (MD/TD)	ISO 294-4	%	0.3 / 0.8
Mechanical properties			
Tensile strength	ISO 527-1, -2	Mpa	150
Tensile elongation at break	ISO 527-1, -2	%	2.2
Flexural strength	ISO 178	Mpa	220
Flexural modulus	ISO 178	Gpa	9.6
Flexural elongation at break	ISO 178	%	2.2
Charpy impact strength (notched/unnotched)	ISO 179/1eU	KJ/m2	13/58
Rockwell hardness	ISO 2039/2	R-Scale	
Thermal properties			
Melting temperature	ISO 11357	°C	280
Coefficient of thermal expansion	ISO 11359-1, -2	m/mK	
Heat Deflection temperature, 1.82Mpa	ISO 75-1, -2/A	°C	255
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	-	4.8
Dielectric factor, 1MHz	IEC 60250	-	0.005
Comparative tracking index (CTI)	IEC 60112	Volt	150
Arc resistance	ASTM D495	sec.	120
Volume resistivity	IEC 60093	Ohm.cm	10 ¹⁶
Processing Conditions			
Pre-drying		-	130°C / 3hr
Cylinder temperature		°C	280 - 300
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.

