

TECHNICAL DATA SHEET

DURAFIDE® 1130T6

Polyplastics
PPS-GF30

Special Characteristics

High impact or impact modified

Creep resistance, Weldable

Chemical Resistance

Hydrolytically stable

Features

Mechanical Properties	Value	Unit	Standard
Tensile strength	155	MPa	ISO 527
Strain at break	2.3	%	ISO 527
Flexural modulus, 23°C	10000	MPa	ISO 178
Flexural strength	230	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 85		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	
Yellow card available	yes		
Electrical Properties	Value	Unit	Standard
Relative permittivity, 1MHz	3.9		IEC 62631-2-1
Dissipation factor, 1MHz	40	E-4	IEC 62631-2-1
Volume resistivity	8E13	Ohm*m	IEC 62631-3-1
Electric strength	18	kV/mm	IEC 60243-1
Comparative tracking index	125		IEC 60112
Arc resistance	123	s	ASTM D 495
Other Properties	Value	Unit	Standard
Density	1520	kg/m ³	ISO 1183