

TECHNICAL DATA SHEET

DURAFIDE® 1140A1

Polyplastics
PPS-GF40

Features

Creep resistance, Weldable

Chemical Resistance

Hydrolytically stable

Mechanical Properties	Value	Unit	Standard
Tensile strength	185	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	14500	MPa	ISO 178
Flexural strength	275	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 105		ISO 2039-2
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	265	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	10	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Yellow card available	yes		
Electrical Properties	Value	Unit	Standard
Relative permittivity, 1MHz	4.6		IEC 62631-2-1
Dissipation factor, 1MHz	20	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Electric strength	15	kV/mm	IEC 60243-1
Comparative tracking index	150		IEC 60112
Arc resistance	120	s	ASTM D 495
Other Properties	Value	Unit	Standard
Density	1660	kg/m ³	ISO 1183

Diagrams

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