

DURAFIDE® 1140A6

PPS-GF40

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	210	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	15000	MPa	ISO 178
Flexural strength	300	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 105	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°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	Test Standard
ISO Data			
Relative permittivity, 1MHz	4.2	-	IEC 62631-2-1
Dissipation factor, 1MHz	20	E-4	IEC 62631-2-1
Volume resistivity	5E13	Ohm*m	IEC 62631-3-1
Electric strength	16	kV/mm	IEC 60243-1
Comparative tracking index	125	-	IEC 60112
ASTM Data			
Arc Resistance	123	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1660	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Asia Pacific