

TECHNICAL DATA SHEET

DURAFIDE® 6165A7

Polyplastics
PPS-(GF+MD)60

Mechanical Properties	Value	Unit	Standard
Tensile strength	155	MPa	ISO 527
Strain at break	1.2	%	ISO 527
Flexural modulus, 23°C	19600	MPa	ISO 178
Flexural strength	250	MPa	ISO 178
Charpy notched impact strength, +23°C	8	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	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	30	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	5.4		IEC 62631-2-1
Dissipation factor, 1MHz	20	E-4	IEC 62631-2-1
Volume resistivity	2E13	Ohm*m	IEC 62631-3-1
Electric strength	14	kV/mm	IEC 60243-1
Comparative tracking index	175		IEC 60112
Arc resistance	173	s	ASTM D 495
Other Properties	Value	Unit	Standard
Density	1890	kg/m ³	ISO 1183