

**DURAFIDE® 1140A1**

PPS-GF40

Polyplastics

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>185</b>	MPa	ISO 527
Strain at break	<b>1.8</b>	%	ISO 527
Flexural modulus, 23°C	<b>14500</b>	MPa	ISO 178
Flexural strength	<b>275</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 105</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>265</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>10</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>40</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Yellow Card available	<b>yes</b>	-	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>4.6</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>20</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>15</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>150</b>	-	IEC 60112
<b>ASTM Data</b>			
Arc Resistance	<b>120</b>	s	ASTM D 495

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1660</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Features**

Creep Resistance, Weldable

**Regional Availability**

Asia Pacific

**Chemical Resistance**

Hydrolytically Stable