

**DURAFIDE® 6165A7**

PPS-(GF+MD)60

Polyplastics

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>155</b>	MPa	ISO 527
Strain at break	<b>1.2</b>	%	ISO 527
Flexural modulus, 23°C	<b>19600</b>	MPa	ISO 178
Flexural strength	<b>250</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>8</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>270</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>30</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>5.4</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>20</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>2E13</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>14</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>175</b>	-	IEC 60112
<b>ASTM Data</b>			
Arc Resistance	<b>173</b>	s	ASTM D 495

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1890</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Regional Availability**

Asia Pacific