

**PALMID® R 6 S GF50**

PA6-GF50

Pal Plast GmbH

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>14300</b>	MPa	ISO 527
Yield stress	<b>165</b>	MPa	ISO 527
Yield strain	<b>7</b>	%	ISO 527
Stress at break	<b>162</b>	MPa	ISO 527
Strain at break	<b>8</b>	%	ISO 527
Charpy impact strength, +23°C	<b>62.5</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>10.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>220</b>	°C	ISO 11357-1/-3
Vicat softening temperature, B	<b>218</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Comparative tracking index	<b>575</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>6.25</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.85</b>	%	Sim. to ISO 62
Density	<b>1560</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Certifications**

Recycled Resin Content

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

Europe