

**AKROTEK® PEEK GF 30 natural (5047)**

PEEK-GF30

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.8 / *</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>12000 / 12000</b>	MPa	ISO 527
Stress at break	<b>195 / 185</b>	MPa	ISO 527
Strain at break	<b>2.8 / 2.8</b>	%	ISO 527
Flexural modulus, 23°C	<b>11500 / -</b>	MPa	ISO 178
Flexural strength	<b>305 / -</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>80 / 75</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>11 / 11</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>342 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>280 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	<b>200 / *</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0 / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6 / *</b>	mm	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1500 / -</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>385</b>	°C	-
Mold temperature	<b>195</b>	°C	-
Injection pressure	<b>200</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Aircraft and Aerospace, Automotive, Medical

**Delivery form**

Natural Color

**Regional Availability**

Europe, Asia Pacific