

**AKROTEK® PEEK CF 30 black (5448)**

PEEK-CF30

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	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5 / *	%	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	30000 / 30000	MPa	ISO 527
Stress at break	270 / 265	MPa	ISO 527
Strain at break	1.6 / 1.5	%	ISO 527
Flexural modulus, 23°C	28000 / 28000	MPa	ISO 178
Flexural strength	370 / 365	MPa	ISO 178
Charpy impact strength, +23°C	50 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8 / 8	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	342 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	280 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1400 / -	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	385	°C	-
Mold temperature	195	°C	-
Injection pressure	200	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Aircraft and Aerospace, Automotive, Medical

**Delivery form**

Black

**Regional Availability**

Europe, Asia Pacific

**Features**

Tribologic Grade