

**PRECITE® P3 GF 40 natural (6943)**

PBT-GF40

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.2</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>13500</b>	MPa	ISO 527
Stress at break	<b>175</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Flexural modulus, 23°C	<b>12500</b>	MPa	ISO 178
Flexural strength	<b>270</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>70</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>13</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>225</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>215</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>725</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>1.6</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E11</b>	Ohm*m	IEC 62631-3-1
Comparative tracking index	<b>400</b>	-	IEC 60112
<b>Other properties</b>			
Water absorption	<b>0.4</b>	%	Sim. to ISO 62
Density	<b>1590</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Delivery form**

Natural Color

**Applications**

Automotive, Electrical and Electronical

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

Europe, Asia Pacific