

**Tecodur® PB70 GR40 NL100**

PBT-GF40

Eurotec Mühendislik Plastikleri

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>14000</b>	MPa	ISO 527
Stress at break	<b>140</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>9</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<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>210</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>220</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Humidity absorption	<b>0.1</b>	%	Sim. to ISO 62
Density	<b>1610</b>	kg/m <sup>3</sup>	ISO 1183
Moisture Content	<b>0.08</b>	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>250 - 270</b>	°C	-
Mold temperature	<b>60 - 110</b>	°C	-
Feed temperature	<b>50 - 70</b>	°C	-
Holding pressure	<b>40 - 80</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Natural Color