

**Tecodur® PB70 GR20 BK002 TD21**

(PBT+PET)-GF20

Eurotec Mühendislik Plastikleri

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>7500</b>	MPa	ISO 527
Stress at break	<b>100</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Izod impact strength, +23°C	<b>65</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>9</b>	kJ/m <sup>2</sup>	ISO 180/1A
	<b>-30</b>	°C	-

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>240</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>175</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>215</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>V-0</b>	class	IEC 60695-11-10
	<b>1.6</b>	mm	-
Burning behav. at thickness h Thickness tested	<b>V-2</b>	class	IEC 60695-11-10
	<b>0.8</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<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
Comparative tracking index	<b>225</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1520</b>	kg/m <sup>3</sup>	ISO 1183
Moisture Content	<b>0.08</b>	%	-

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>240 - 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

**Special Characteristics**

Flame retardant, High impact or impact modified

**Delivery form**

Black

**Regional Availability**

Europe