

**CELSTRAN® PP-GF40-0453 Black**

PP-GLF40

Celanese

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>9200</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>130</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>62</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>25</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>166</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>158</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 8.00 MPa	<b>134</b>	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	<b>1210</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating, Transfer Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Long fiber reinforced

**Regional Availability**

North America, Europe, Asia Pacific