

**EPLON 66 GFR 50 NC Q1F001**

PA66-GF50

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<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>0.4</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>14300</b>	MPa	ISO 527
Stress at break	<b>210</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Flexural modulus, 23°C	<b>11800</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>17</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>16.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>250</b>	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>HB</b>	class	IEC 60695-11-10
	<b>1.6</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating Thickness tested	<b>HB</b>	-	UL 94
	<b>1.6</b>	mm	-
<b>Other properties</b>			
Density	<b>1540</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>270</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Natural Color

**Regional Availability**

Europe