

**Omnix® 4050 BK 000**

(PA\*+PPA)-GF50

Syensqo

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.1</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>17000</b>	MPa	ISO 527
Yield stress	<b>245</b>	MPa	ISO 527
Strain at break	<b>2.4</b>	%	ISO 527
Flexural modulus, 23°C	<b>15000</b>	MPa	ISO 178
Izod impact strength, +23°C	<b>90</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>14</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>260</b>	°C	ISO 11357-1/-3
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>Other properties</b>			
Density	<b>1590</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4 - 12</b>	h	-
Melt temperature	<b>275 - 290</b>	°C	-
Mold temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>250</b>	°C	-
Zone 2	<b>285</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa