

**Nylaforce® A 50**

PA66-GF50

Brenntag AG

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3 / *</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>18000 / 12000</b>	MPa	ISO 527
Tensile Strength	<b>260 / 180</b>	MPa	ISO 527
Strain at break	<b>2.9 / 4.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>96 / 96</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>16 / 20</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>260 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>250 / *</b>	°C	ISO 75-1/-2
<b>Other properties</b>			
<b>ISO Data</b>			
Density	<b>1570 / -</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
<b>ISO Data</b>			
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>280 - 310</b>	°C	-
Mold temperature	<b>80 - 140</b>	°C	-
Back pressure	<b>2 - 8</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Odor

**Delivery form**

Pellets

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat