

**Staramide PA6-25V-NAT**

PA6-GF25

Eurostar Engineering Plastics

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>46</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>275</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.2</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>8300</b>	MPa	ISO 527
Stress at break	<b>155</b>	MPa	ISO 527
Strain at break	<b>3.2</b>	%	ISO 527
Flexural modulus, 23°C	<b>6100</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>80</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>226</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>203</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>215</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>210</b>	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Volume Resistivity	<b>1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water absorption	<b>1.9</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1320</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Features**

Low Odor

**Delivery form**

Pellets, Natural Color

**Regional Availability**

Europe