

**Staramide PA6-30V-NAT**

PA6-GF30

Eurostar Engineering Plastics

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	40	cm <sup>3</sup> /10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	9500	MPa	ISO 527
Stress at break	185	MPa	ISO 527
Strain at break	3.6	%	ISO 527
Flexural modulus, 23°C	7200	MPa	ISO 178
Charpy impact strength, +23°C	95	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	75	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	217	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	226	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°C	ISO 75-1/-2
Vicat softening temperature, B	214	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	1.7	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1360	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Features**

Low Odor

**Delivery form**

Pellets, Natural Color