

**Staramide A40**

PA66

Eurostar Engineering Plastics

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2800</b>	MPa	ISO 527
Yield stress	<b>80</b>	MPa	ISO 527
Strain at break	<b>30</b>	%	ISO 527
Flexural modulus, 23°C	<b>3000</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>100</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Izod notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>3</b>	kJ/m <sup>2</sup>	ISO 180/1A
	<b>-40</b>	°C	-
Rockwell hardness	<b>R 117</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>90</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>230</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>80</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>80</b>	E-6/K	ISO 11359-1/-2
Oxygen index	<b>26</b>	%	ISO 4589-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Comparative tracking index	<b>600</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>8.5</b>	%	Sim. to ISO 62
Density	<b>1160</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Other Extrusion

**Features**

Low Odor

**Delivery form**

Pellets

**Regional Availability**

Europe