

Staramide BST42

PA6

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	56	MPa	ISO 527
Yield strain	4	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Rockwell hardness	R 115	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	93	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	117	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Comparative tracking index	600	-	IEC 60112
Other properties			
Density	1100	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

High impact or impact modified