

Staramide BST43

PA6

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2100	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	4.1	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	40	kJ/m ²	ISO 180/1A
Izod notched impact strength	9	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Rockwell hardness	R 115	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	74	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	95	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1090	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