

Staramide P1000IX3

PA6

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	4.1	%	ISO 527
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	36	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	48	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	136	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	143	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	160	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	2.3	%	Sim. to ISO 62
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