

Staramide BT6

PA6-MX30

Eurostar Engineering Plastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7500	MPa	ISO 527
Stress at break	80	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	7000	MPa	ISO 178
Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
Rockwell hardness	L 105	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	165	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50	E-6/K	ISO 11359-1/-2
Oxygen index	24	%	ISO 4589-1/-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	425	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	6.5	%	Sim. to ISO 62
Density	1370	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding