

LOXIAMID PA6 HS1 03001

PA6

Loxim Industries Limited

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	70	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2850	MPa	ISO 178
Flexural strength	110	MPa	ISO 178
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	130	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	240 - 285	°C	-
Mold temperature	65 - 80	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific