

Technical Data Sheet

Network Polymers Nylon 6

Polyamide 6
LyondellBasell Industries
Engineering Plastics

General

Appearance • Natural Color

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	11000 psi	75.8 MPa	ASTM D638
Tensile Elongation (Break)	50 %	50 %	ASTM D638
Flexural Modulus	370000 psi	2550 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	0.90 ft·lb/in	48 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	149 °F	65.0 °C	
Peak Melting Temperature	420 °F	216 °C	ASTM D3418

Notes

These are typical property values not to be construed as specification limits.