

Network Polymers Nylon 66

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.14	1.14 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	12000 psi	82.7 MPa	ASTM D638
Tensile Elongation (Break)	50 %	50 %	ASTM D638
Flexural Modulus	415000 psi	2860 MPa	ASTM D790
Flexural Strength	2860 psi	19.7 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)	1.0 ft·lb/in	53 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	194 °F	90.0 °C	
Peak Melting Temperature	490 °F	254 °C	ASTM D3418

Notes

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

