

Technical Data Sheet

Lucent Pa 6-01

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description

Unreinforced Nylon 6, General Purpose Injection Grade

Colors Available

Add "H" for Heat Stabilized

Add "U" for UV Stabilized

Typical Properties, Dry as Molded

General

Features	• General Purpose
Uses	• General Purpose
Appearance	• Colors Available
Processing Method	• Injection Molding

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)	10600 psi	73.1 MPa	ASTM D638
Tensile Elongation (Break)	> 25 %	> 25 %	ASTM D638
Flexural Modulus	400000 psi	2760 MPa	ASTM D790
Flexural Strength	15000 psi	103 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	140 °F	60.0 °C	
Peak Melting Temperature	420 to 437 °F	216 to 225 °C	ASTM D789

Notes

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