

Technical Data Sheet

Hiloy 610

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description

Nylon 6 40% Glass fiber

General

Filler / Reinforcement	• Glass\Mineral, 45% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.52	1.52 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	21000 psi	145 MPa	ASTM D638
Tensile Elongation (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	1.56E+6 psi	10800 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.9 ft·lb/in	100 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	428 °F	220 °C	
264 Psi (1.8 Mpa), Unannealed	392 °F	200 °C	

Notes

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