

Technical Data Sheet

Accutech NY0730G40L1

Polyamide 6
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.45	1.45 g/cm ³	ASTM D792

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.10E+6 psi	7600 MPa	ASTM D638
Tensile Strength (Break)	26400 psi	182 MPa	ASTM D638
Tensile Elongation (Break)	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.45E+6 psi	10000 MPa	ASTM D790
Flexural Strength	35500 psi	245 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	2.9 ft·lb/in	160 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	120	120	ASTM D785

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	401 °F	205 °C	

Additional Information

Ash Content, ASTM D2584: 40%

Notes

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