

Technical Data Sheet

Accutech NY0730G20L1

Polyamide 6
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	Glass Fiber, 20% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.27	1.27 g/cm ³	ASTM D792

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	725000 psi	5000 MPa	ASTM D638
Tensile Strength (Break)	19700 psi	136 MPa	ASTM D638
Tensile Elongation (Break)	7.0 %	7.0 %	ASTM D638
Flexural Modulus	812000 psi	5600 MPa	ASTM D790
Flexural Strength	27100 psi	187 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.5 ft·lb/in	80 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	419 °F	215 °C	
264 Psi (1.8 Mpa), Unannealed	383 °F	195 °C	

Additional Information

Ash Content, ASTM D2584: 20%

Notes

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