

Technical Data Sheet

Accutech NY0730G10L

Polyamide 6
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	421000 psi	2900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	13500 psi	93.0 MPa	
Break	11600 psi	80.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	10 %	10 %	
Flexural Modulus	566000 psi	3900 MPa	ASTM D790
Flexural Strength	20300 psi	140 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.99 ft·lb/in	53 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	118	118	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	248 °F	120 °C	

Notes

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