

Technical Data Sheet

# Network Polymers Nylon 6001GF33

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

**General**

Filler / Reinforcement • Glass Fiber, 33% Filler by Weight

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.37	1.37 g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	22700 psi	156 MPa	ASTM D638
Tensile Elongation (Break)	3.4 %	3.4 %	ASTM D638
Flexural Modulus	1.09E+6 psi	7500 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)	1.8 ft·lb/in	96 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	426 °F	219 °C	
Peak Melting Temperature	441 °F	227 °C	ASTM D3418

**Notes**

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