

Technical Data Sheet

# Fiberfil FV-31

Polyamide 6  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 31% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Forms	• Pellets

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 (73°F (23°C))	21800 psi	150 MPa	ASTM D638
Flexural Modulus - Secant (73°F (23°C))	1.25E+6 psi	8600 MPa	ASTM D790
Flexural Strength (73°F (23°C))	35400 psi	244 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	2.4 ft-lb/in	130 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	406 °F	208 °C	ASTM D648

**Notes**

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