

**Thermylon® N-33FG-0122**

Asahi Kasei Plastics North America Inc. - Polyamide 6

**General Information**
**Product Description**

This is a glass-reinforced, heat stabilized lubricated, polyamide 6 compound designed for structural applications.

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Additive	• Heat Stabilizer • Lubricant
Features	• Heat Stabilized • Lubricated

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm <sup>3</sup>	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	26800	psi	ISO 527-2
Flexural Modulus	1.28E+6	psi	ISO 178
Flexural Stress	40300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	403	°F	ISO 75-2/A

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
