

Ultramid® 1603-2 NF2004 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid 1603-2 NF2004 is a 43% glass reinforced, heat stabilized injection molding PA6/6 with the highest level of glass reinforcement for maximum strength and stiffness.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 43% Filler by Weight
Additive	• Heat Stabilizer
Features	• Good Dimensional Stability • Heat Stabilized • High Rigidity
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	11000	MPa	ISO 527-2 ²
Tensile Stress (Break)	167	MPa	ISO 527-2 ²
Tensile Strain (Break)	4.0	%	ISO 527-2 ²
Flexural Modulus (23°C)	9000	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	15.0	kJ/m ²	
23°C	18.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	87	kJ/m ²	
23°C	100	kJ/m ²	
Notched Izod Impact Strength (23°C)	17.0	kJ/m ²	ISO 180

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

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