

# Ultramid® 8333G HI HS BK-102 (Cond) Polyamide 6

## Product Description

Ultramid 8333G HI HS BK-102 is a 33% glass reinforced, impact modified PA6 injection molding compound pigmented black developed for applications requiring improved dry as molded toughness in combination with a balance of strength, stiffness and excellent moldability/surface aesthetics.

## General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 33% Filler by Weight
Additive	• Heat Stabilizer • Impact Modifier
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow • Good Processability • Good Stiffness • Good Thermal Aging Resistance • Heat Stabilized • High Strength • Impact Modified • Low Viscosity • Semi Crystalline
Uses	• Fasteners • Housings • Industrial Applications • Power/Other Tools
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	4610	MPa	ISO 527-2 <sup>2</sup>
Tensile Strength			
Break, 23°C	90.0	MPa	ASTM D638
Break	90.0	MPa	ISO 527-2 <sup>2</sup>
Tensile Strain (Break)	6.0	%	ISO 527-2 <sup>2</sup>
Flexural Modulus (23°C)	5030	MPa	ISO 178
Flexural Strength (23°C)	120	MPa	ISO 178

## Notes

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

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

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