

Ultramid® 8333G HI (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid 8333G HI is a 33% glass reinforced, impact modified PA6 injection molding compound developed for applications requiring improved dry as molded toughness in combination with a balance of strength, stiffness and excellent moldability/surface aesthetics. It is also available in heat stabilized (Ultramid 8333G HI HS) and/or pigmented versions.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 33% Filler by Weight
Additive	• Impact Modifier
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow • Good Processability • Good Stiffness • High Strength • Impact Modified • Low Viscosity • Semi Crystalline
Uses	• Fasteners • Industrial Applications • Power/Other Tools • Wheels
Agency Ratings	• ULC Unspecified Rating
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	4610	MPa	ISO 527-2 ²
Tensile Strength			
Break, 23°C	90.0	MPa	ASTM D638
Break	90.0	MPa	ISO 527-2 ²
Tensile Elongation			
Break, 23°C	6.0	%	ASTM D638
Break	6.0	%	ISO 527-2 ²
Flexural Modulus			
-40°C	9500	MPa	ASTM D790
23°C	4830	MPa	ASTM D790
65°C	3290	MPa	ASTM D790
90°C	3250	MPa	ASTM D790
121°C	2970	MPa	ASTM D790
23°C	5030	MPa	ISO 178
Flexural Strength			
-40°C	297	MPa	ASTM D790
23°C	124	MPa	ASTM D790
65°C	110	MPa	ASTM D790
90°C	100	MPa	ASTM D790
121°C	90.0	MPa	ASTM D790
23°C	120	MPa	ISO 178

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.

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备注：以上原料物性数据由厂家发布, 我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！