

Ultramid® 8202C HS BK-102 (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid 8202C HS BK-102 is a heat stabilized, low viscosity, pigmented black, PA6, injection molding homopolymer possessing a modified crystalline structure for increased property performance and faster cycles. It is also available in non-heat stabilized (Ultramid 8202C).

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Nucleating Agent
Features	• Crystalline • Good Flow • High Strength • Fast Molding Cycle • Good Processability • Homopolymer • Good Abrasion Resistance • Good Stiffness • Low Viscosity • Good Chemical Resistance • Good Thermal Aging Resistance • Nucleated • Good Dimensional Stability • Heat Stabilized • Semi Crystalline
Uses	• Bushings • Electronic Insulation • Gears • Connectors • Fittings • Textile Applications • Electrical Parts • Furniture • Valves/Valve Parts
Agency Ratings	• ULC Unspecified Rating
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1360	MPa	ISO 527-2 ²
Tensile Stress (Yield)	43.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	22	%	ISO 527-2 ²
Nominal strain at break	> 50	%	ISO 527-2 ²

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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