

# Ultramid® 8202 HS BK-102 (Cond)

Polyamide 6

BASF Corporation



Prospector

## Product Description

Ultramid 8202 HS BK-102 is an unreinforced, heat stabilized, pigmented black, low viscosity, general purpose injection molding PA6 exhibiting excellent fluidity for filling thin sections. It possesses the combination of strength, stiffness and toughness properties as well as excellent chemical, thermal and abrasion resistance. The heat stabilizer system extends its retention of properties at elevated temperatures.

## General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• General Purpose • Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow • Good Processability • Good Stiffness • Good Thermal Aging Resistance • Good Thermal Stability • Good Toughness • Heat Stabilized • High Strength • Homopolymer • Low Viscosity • Semi Crystalline
Uses	• Automotive Applications • Bearings • Fasteners • Fittings • Furniture • Gears • Handles
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	970	MPa	ISO 527-2 <sup>2</sup>
Tensile Strength			
Yield, 23°C	36.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2 <sup>2</sup>
Tensile Elongation			
Yield, 23°C	16	%	ASTM D638
Yield	16	%	ISO 527-2 <sup>2</sup>
Break, 23°C	> 100	%	ASTM D638
Nominal strain at break	> 50	%	ISO 527-2 <sup>2</sup>
Flexural Modulus (23°C)	770	MPa	ISO 178
Flexural Strength			
23°C	35.0	MPa	ASTM D790
23°C	25.0	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.