

Ultramid® 8260 HS BK-102 (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid 8260 HS BK-102 is a heat stabilized, pigmented black, 40% mineral reinforced PA6 injection molding resin. It possesses high stiffness, dimensional stability and heat resistance combined with excellent processability including low warp and resistance to sink-mark formation. It maintains its inherent chemical resistance to greases, oils and hydrocarbons.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Mineral Filler, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow • Good Processability • Good Stiffness • Good Thermal Aging Resistance • Heat Stabilized • High Stiffness • Low Viscosity • Low Warpage • Semi Crystalline
Uses	• Appliance Components • Fittings • Furniture • Marine Applications • Power/Other Tools
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			
-40°C	7700	MPa	ISO 527-2
80°C	1400	MPa	ISO 527-2
121°C	1200	MPa	ISO 527-2
--	3800	MPa	ISO 527-2 ²
Tensile Stress			
Break, -40°C	135	MPa	ISO 527-2
Break, 80°C	35.0	MPa	ISO 527-2
Break, 121°C	27.0	MPa	ISO 527-2
Break	60.0	MPa	ISO 527-2 ²
Tensile Strain (Break)	30	%	ISO 527-2 ²
Flexural Modulus (23°C)	2100	MPa	ISO 178
Flexural Strength (23°C)	50.0	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！