

Ultramid® B 3S HP (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid B3S HP is a easy flowing, finely crystalline, injection molding PA6 for fast processing.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Nucleating Agent		
Features	• Crystalline • Fast Molding Cycle	• Good Flow • Low Viscosity	• Nucleated • Oil Resistant
Uses	• Automotive Interior Parts • Fittings • Flexible Grips	• Fuel Lines • Handles • Household Goods	• Housings • Thin-walled Parts • Toys
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1200	MPa	ISO 527-2 ²
Tensile Stress (Yield)	45.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	20	%	ISO 527-2 ²
Nominal strain at break	> 50	%	ISO 527-2 ²

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	50.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Notched Izod Impact Strength (23°C)	No Break		ISO 180

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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