

# Ultramid® B 3ZG7 OSI BK23273 (Cond) Polyamide 6

## Product Description

Ultramid B3ZG7 OSI BK23273 is a 35% glass reinforced, pigmented black, heat stabilized, impact modified PA6 injection molding grade. It was developed to meet demanding mechanical and chemical requirements for the automotive oil pan application.

## General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 35% Filler by Weight
Additive	• Heat Stabilizer • Impact Modifier
Features	• Heat Stabilized • Impact Modified • Oil Resistant
Uses	• Automotive Under the Hood
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6170	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	112	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	11	%	ISO 527-2
Flexural Modulus (23°C)	5650	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	34	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	110	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength (23°C)	34.0	kJ/m <sup>2</sup>	ISO 180

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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