

# Ultramid® B3ZG7 OSI BK23273

## 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.

### Applications

Typical application is automotive oil pan.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.36	
Mold Shrinkage, parallel, %	294-4	0.2	
Mold Shrinkage, normal, %	294-4	0.6	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		10,000	6,170
Tensile stress at break, MPa	527		
23C		170	112
Tensile strain at break, %	527		
23C		3.5	11
Flexural Modulus, MPa	178		
23C		8,920	5,650
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m <sup>2</sup>	180		
23C		25	34
-40C		17	-
Charpy Notched, kJ/m <sup>2</sup>	179		
23C		26	34
-30C		18	-
Charpy Unnotched, kJ/m <sup>2</sup>	179		
23C		102	106
-30C		113	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	206	-
HDT B, C	75	220	-

