

# Ultramid® 8333G HI HS BK-106

## Polyamide 6

### Product Description

Ultramid 8333G HI HS BK-106 is a 33% glass reinforced, impact modified PA6 injection molding compound pigmented black developed for applications requiring improved dry as molded toughness in combination with a balance of strength, stiffness and excellent moldability/surface aesthetics.

### Applications

Ultramid 8333G HI HS BK-106 is generally recommended for application such as front wheel chair wheels, bicycle wheels, power tool housings, chain saw housings, clips and fasteners, hose clamps and window hardware.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.36	
Moisture, %	62		
(24 Hour)		0.9	
(50% RH)		1.5	
(Saturation)		5.5	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile stress at break, MPa	527		
23C		145	-
Tensile strain at break, %	527		
23C		2.5	-
Flexural Modulus, MPa	178		
23C		7,910	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m <sup>2</sup>	180		
23C		18	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-

