

# Ultramid® B35G3 BK00564

## Polyamide 6

### Product Description

Ultramid B35G3 BK00564 is a 15% glass reinforced, injection molding PA6 grade.

### Applications

Typical applications include internal gas pressure applications such as flashing direction switch gears, automobile mirror housings and wheels of mountain bikes.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.24	
Moisture, %	62		
(50% RH)		2.6	
(Saturation)		8	
RHEOLOGICAL	ISO Test Method	Dry	Conditioned
Melt Volume Rate (275 C/5 Kg), cc/10min.	1133	45	-
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		6,100	3,200
Tensile stress at break, MPa	527		
-40C		156	-
23C		126	67
Tensile strain at break, %	527		
23C		2.9	13.2
Flexural Strength, MPa	178		
23C		189	90
Ball Indentation, MPa	2039-1	181	-
IMPACT	ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m <sup>2</sup>	179		
23C		5.9	15
Charpy Unnotched, kJ/m <sup>2</sup>	179		
23C		47	107
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	187	-
HDT B, C	75	214	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Comparative Tracking Index	IEC 60112	500	-



## Note

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