

Ultramid® B3EG3 BK00564

Polyamide 6

Product Description

Ultramid B3EG3 BK00564 is a 15% glass fiber reinforced, pigmented black injection molding PA6 grade for housings with enhanced impact resistance.

Applications

Typical applications include automotive mirror housings and wheels of mountain bikes.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm ³	1183	1.23	
Moisture, %	62		
(50% RH)		2.3	
(Saturation)		7.7	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23°C		6,060	-
Tensile stress at break, MPa	527		
23°C		115	-
Tensile strain at break, %	527		
23°C		2.5	-
Flexural Modulus, MPa	178		
23°C		5,300	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
-30°C		4.5	-
23°C		5	-
Charpy Notched, kJ/m ²	179		
23°C		5	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, °C	3146	220	-
HDT A, °C	75	200	-
HDT B, °C	75	217	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Volume Resistivity (Ohm)	IEC 60093	1E13	1E10
Dielectric Constant (1 MHz)	IEC 60250	3.8	7
Dissipation Factor (100 Hz)	IEC 60250	250	2,400
Dissipation Factor (1 MHz)	IEC 60250	250	2,400

Note

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