

Ultramid® B3EG2

Polyamide 6

BASF Corporation

Message:

Glass fibre reinforced injection moulding grade for housings with enhanced impact resistance (eg automotive mirror housings). Also used for the wheels of mountain bikes.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Impact Resistance		
	Oil Resistant		
Uses	Automotive Applications		
	Housings		
	Wheels		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.70	g/cm ³	
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	75.0	cm ³ /10min	ISO 1133
Viscosity Number (96% H2SO4 (Sulphuric Acid))	155	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Break)	110	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Additional Information	Nominal Value		
Polymer Abbreviation	PA6-GF10		

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