

Ultramid® B3GM35 Ebony23227

Polyamide 6

BASF Corporation

Message:

Ultramid B3GM35 Ebony23227 is a 40% combined glass-fiber and mineral reinforced, pigmented black injection molding PA6 grade.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Oil Resistant		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	5.7	%	
Equilibrium, 23°C, 50% RH	1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8530	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	135	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.1	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.6	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	201	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146

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