

Ultramid® B 3GM35 Ebony23227

Polyamide 6

BASF Corporation

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

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber Reinforcement, 15% Filler by Weight	• Mineral Filler, 25% Filler by Weight	
Additive	• Heat Stabilizer		
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow	• Good Processability • Good Stiffness • Good Thermal Aging Resistance • Heat Stabilized	• Low Viscosity • Medium Rigidity • Oil Resistant • Semi Crystalline
Uses	• Automotive Applications	• Handles	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1480	kg/m ³	ISO 1183 ²
Water Absorption			ISO 62 ²
Saturation	6.6	%	
Equilibrium	2.0	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	8530	MPa	ISO 527-2 ²
Tensile Stress (Break)	135	MPa	ISO 527-2 ²
Tensile Strain (Break)	3.1	%	ISO 527-2 ²

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.60	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	201	°C	ISO 75-2 ²
Melting Temperature (DSC)	220	°C	ISO 3146

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	270 to 295	°C
Mold Temperature	80.0 to 95.0	°C
Injection Pressure	3.50 to 12.5	MPa
Injection Rate	Fast	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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如需要更多物性资料请查阅 www.kedisujiao.com

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