

# Ultramid® A3WGM33 BK20560

Polyamide 66

BASF Corporation

## Message:

Combined glass fibre and mineral reinforced injection moulding grade for high stiffness parts with good dimensional stability and surface finish, such as for automotive cylinder-head cover.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Mineral,15% Filler by Weight		
Features	Good Dimensional Stability		
	Good Surface Finish		
	High Stiffness		
	Oil Resistant		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm <sup>3</sup>	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	5.5	%	
Equilibrium, 23°C, 50% RH	1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9900	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8800	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Additional Information	Nominal Value		
Polymer Abbreviation	PA66-(GF15+M15)		
Injection	Nominal Value	Unit	

Processing (Melt) Temp	280 to 290	°C
Mold Temperature	80.0 to 90.0	°C

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#### Recommended distributors for this material

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