

## BASF Ultramid® A3EG3 BK00564 15% Glass Filled PA66 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

Ultramid A3EG3 BK00564 is a 15% glass fiber reinforced injection molding PA66 grade. It conforms to FDA requirements of 21 CFR 177.1500.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-A3EG3-BK00564-15-Glass-Filled-PA66-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-A3EG3-BK00564-15-Glass-Filled-PA66-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ISO 1183
Water Absorption	7.0 %	7.0 %	ISO 62
Moisture Absorption at Equilibrium	2.2 %	2.2 %	23°C/50% R.H.; ISO 62
Viscosity Test	149 cm <sup>3</sup> /g	149 cm <sup>3</sup> /g	Viscosity number

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	122 MPa	17700 psi	5mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5mm/min; ISO 527
Izod Impact, Notched (ISO)	5.50 kJ/m <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	ISO Test
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	33.0 µm/m-°C	18.3 µin/in-°F	ISO 11359
CTE, linear, Transverse to Flow	75.0 µm/m-°C	41.7 µin/in-°F	ISO 11359
Melting Point	260 °C	500 °F	10 K/min
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 1.66 mm	@Thickness 0.0654 in	
	HB	HB	
	@Thickness 0.810 mm	@Thickness 0.0319 in	

Descriptive Properties	Value	Comments
Color	BK00564	

Descriptive Properties	Value <small>America</small>	Comments
Impact Modified	No	
Primary Processing Technique	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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