

## BASF Ultramid® B3WGM24 BK30564 10/20% Glass/Mineral Filled PA6 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

### Material Notes:

Ultramid B3WGM24 BK30564 is a 30% glass/mineral filled heat stabilized injection molding PA6 grade for industrial articles having medium to high rigidity and high dimensional stability.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-B3WGM24-BK30564-1020-GlassMineral-Filled-PA6-Conditioned.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-B3WGM24-BK30564-1020-GlassMineral-Filled-PA6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	dry; ISO 1183
Water Absorption	7.2 %	7.2 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	2.3 %	2.3 %	beginning dry (23°C/50% R.H.); ISO 62
Viscosity Test	140 cm <sup>3</sup> /g	140 cm <sup>3</sup> /g	Viscosity number

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	5mm/min; ISO 527
Elongation at Break	10 %	10 %	5mm/min; ISO 527
Tensile Modulus	4.20 GPa	609 ksi	1mm/min; ISO 527
Izod Impact, Notched (ISO)	13.0 kJ/m <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO Test
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359
Melting Point	220 °C	428 °F	10 K/min

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.2	6.2	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.20	0.20	IEC 60250
	@Frequency 1.00e+6	@Frequency 1.00e+6	

Electrical Properties	Hz Metric	Hz English	Comments
<b>Descriptive Properties</b>		<b>Value</b>	<b>Comments</b>
Color		BK30564	
Commercial Status		Active America	
Impact Modified		No	
Primary Processing Technique		Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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