

## BASF Ultramid® B3GM35 BKQ642 23220 15/25% Glass/Mineral Filled PA6 (Dry)

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

### Material Notes:

Ultramid B3GM35 BKQ642 23220 is a 40% combined glass-fiber and mineral reinforced, pigmented black injection molding PA6 grade.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-B3GM35-BKQ642-23220-1525-GlassMineral-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-B3GM35-BKQ642-23220-1525-GlassMineral-Filled-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	ISO 1183
Water Absorption	2.2 %	2.2 %	24 hour; ISO Test
	6.6 %	6.6 %	ISO 62
Moisture Absorption at Equilibrium	2.0 %	2.0 %	23°C/50% R.H.; ISO 62
Viscosity Test	160 cm <sup>3</sup> /g	160 cm <sup>3</sup> /g	Viscosity number
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	130 MPa	18900 psi	5mm/min; ISO 527
Elongation at Break	2.7 %	2.7 %	5mm/min; ISO 527
	2.7 %	2.7 %	0.2 in/min; ASTM Test
Tensile Modulus	8.00 GPa	1160 ksi	ASTM Test
	9.00 GPa	1310 ksi	1mm/min; ISO 527
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM Test
	@Thickness 3.17 mm	@Thickness 0.125 in	
Charpy Impact, Notched	0.390 J/cm <sup>2</sup>	1.86 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM Test

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	214 °C	417 °F	ISO 75
	215 °C	419 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	198 °C	388 °F	ISO 75
	200 °C	392 °F	ASTM Test

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{13}$ ohm-cm	$\geq 1.00 \times 10^{13}$ ohm-cm	IEC 60093
Surface Resistance	$1.00 \times 10^{12}$ ohm	$1.00 \times 10^{12}$ ohm	IEC 60093

Descriptive Properties	Value	Comments
Color	BK23220	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China