

## BASF Ultramid® TG3S BK 5966 15% Glass Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

### Material Notes:

Description: Ultramid TG7S Bk-102 is a 34% glass reinforced, pigmented black, heat stabilized, impact modified PA6 injection molding grade. It was developed to meet the demanding requirements of the first North American seat cushion pan/frame to be made of an engineering plastic as opposed to metal. TG7S BK-102 exhibits improved strength, stiffness and notched impact properties over Ultramid 8333G HI. Applications: Include cushion seat pan/frame and other automotive seating applications, automotive fan, power tools and trimmer components. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-TG3S-BK-5966-15-Glass-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-TG3S-BK-5966-15-Glass-Filled-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ISO 1183
Melt Flow	18.15 g/10 min @Load 5.00 kg, Temperature 235 °C	18.15 g/10 min @Load 11.0 lb, Temperature 455 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Flexural Modulus	4.42 GPa	641 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	ISO 75

Processing Properties	Metric	English	Comments
Zone 1	245 - 275 °C	473 - 527 °F	Rear Zone
Zone 2	260 - 285 °C	500 - 545 °F	Center Zone
Zone 3	270 - 295 °C	518 - 563 °F	Front Zone
Zone 4	270 - 295 °C	518 - 563 °F	Nozzle
Melt Temperature	270 - 295 °C	518 - 563 °F	

Mold Temperature Processing Properties	80.0 - 95.0 °C Metric	176 - 203 °F English	Comments
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	<= 0.080 %	<= 0.080 %	

Descriptive Properties	Value	Comments
Color	BK 5966	
Commercial Status	North America	

## 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