

## BASF Ultramid® SEGM35 H1 BK-126 15/25% Glass/Mineral Filled PA6 (Conditioned)

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

### Material Notes:

Ultramid SEGM35 H1 BK-126 is a 40% glass/mineral reinforced injection molding grade. It offers enhanced surface appearance, it also exhibits similar UV weathering characteristics compared to 8267G HS BK-106. In parts containing cross sections, significant pressure drops are encountered during filling.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-SEGM35-H1-BK-126-1525-GlassMineral-Filled-PA6-Conditioned.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-SEGM35-H1-BK-126-1525-GlassMineral-Filled-PA6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	dry; ISO 1183
Water Absorption	0.90 %	0.90 %	24 hour; ISO Test
	5.7 %	5.7 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	1.6 %	1.6 %	beginning dry (23°C/50% R.H.); ISO 62
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.0 MPa	5510 psi	ASTM Test
	@Temperature 120 °C	@Temperature 248 °F	
	38.0 MPa	5510 psi	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
	46.0 MPa	6670 psi	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	
	46.0 MPa	6670 psi	ASTM Test
	@Temperature 80.0 °C	@Temperature 176 °F	
	153 MPa	22200 psi	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	153 MPa	22200 psi	ISO Data
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Tensile Strength, Ultimate	67.0 MPa	9720 psi	5mm/min; ISO 527
Elongation at Break	5.6 %	5.6 %	5mm/min; ISO 527

Mechanical Properties	Metric	English	Comments
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	2.6 %	2.6 %	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	5.9 %	5.9 %	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	
	5.9 %	5.9 %	ASTM Test
	@Temperature 80.0 °C	@Temperature 176 °F	
	7.3 %	7.3 %	ASTM Test
	@Temperature 120 °C	@Temperature 248 °F	
	7.3 %	7.3 %	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
Tensile Modulus	3.90 GPa	566 ksi	1mm/min; ISO 527
	2.32 GPa	336 ksi	ISO Data
	@Temperature 120 °C	@Temperature 248 °F	
	3.05 GPa	442 ksi	ISO Data
	@Temperature 80.0 °C	@Temperature 176 °F	

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

Descriptive Properties	Value	Comments
Color	BK-126	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	

**Contact Songhan Plastic Technology Co.,Ltd.**

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