

## BASF Ultramid® SEG7 35% Glass Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

### Material Notes:

Ultramid SEG7 is a 35% glass reinforced, injection molding type 6 nylon requiring high strength, surface aesthetics, and good processability. This product has excellent surface appearance while maintaining a good balance of physical properties, such as high strength, improved toughness, and chemical resistance. It features superior flow properties, and is suited for parts having thinner walls and those requiring long lengths. It shows lower pressure, temperature, and cycle time requirements than conventional grades.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-SEG7-35-Glass-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-SEG7-35-Glass-Filled-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.0 %	1.0 %	24 hour; ISO Test
	6.3 %	6.3 %	ISO 62
Moisture Absorption at Equilibrium	1.7 %	1.7 %	23°C/50% R.H.; ISO 62
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM Test
Tensile Strength at Break	185 MPa	26800 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	185 MPa	26800 psi	5mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
	3.5 %	3.5 %	0.2 in/min; ASTM Test
Flexural Strength	290 MPa	42100 psi	ASTM Test
Flexural Modulus	9.67 GPa	1400 ksi	ASTM Test
Izod Impact, Notched	1.50 J/cm	2.81 ft-lb/in	ASTM Test
	@Thickness 3.17 mm	@Thickness 0.125 in	

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

Flammability: UL 94 Thermal Properties	Metric @ Thickness 0.710 mm	English @ Thickness 0.0280 in	Comments
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Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	
UL..UL-C	Yes	

## Contact Songhan Plastic Technology Co.,Ltd.

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