

## BASF Ultramid® 8260 40% Mineral Filled PA6 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

### Material Notes:

Ultramid 8260 is a 40% mineral reinforced PA6 injection molding compound. It possesses high stiffness, dimensional stability and heat resistance combined with excellent processability including low warp and resistance to sink-mark formation. It is also available in heat stabilized (Ultramid 8260 HS) versions. It can be painted or chrome plated and is also available in pigmented versions.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-8260-40-Mineral-Filled-PA6-Conditioned.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-8260-40-Mineral-Filled-PA6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.291 g/cc	0.04664 lb/in <sup>3</sup>	Melt; ISO 1183
	1.49 g/cc	0.0538 lb/in <sup>3</sup>	dry; ISO 1183
Water Absorption	1.1 %	1.1 %	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	0.0090 cm/cm	0.0090 in/in	ASTM Data; MD

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	60.0 MPa	8700 psi	5mm/min; ISO 527
Elongation at Break	30 %	30 %	5mm/min; ISO 527
	30 %	30 %	0.2 in/min; ASTM Test
Tensile Modulus	2.39 GPa	347 ksi	1mm/min; ISO 527
Flexural Strength	50.0 MPa	7250 psi	ISO Data
	76.0 MPa	11000 psi	ASTM Test
Flexural Modulus	2.10 GPa	305 ksi	ISO Data
	2.73 GPa	396 ksi	ASTM Test

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.999 J/g-°C	0.4778 BTU/lb-°F	Melt
Thermal Conductivity	0.281 W/m-K	1.95 BTU-in/hr-ft <sup>2</sup> -°F	Melt

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

Processing Properties	Metric	English	Comments
Melt Temperature	275 °C	527 °F	Injection molding
Mold Temperature	95.0 °C	203 °F	Injection molding

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Form	Pellets	
Impact Modified	No	
Primary Processing Technique	Injection Molding	
Processing	Injection Molding	
Special characteristic	X	

## Contact Songhan Plastic Technology Co.,Ltd.

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