

**BASF Ultramid® B3S Q661 PA6 (Dry)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

**Material Notes:**

Ultramid B3S Q661 is a general purpose, PA6 resin for injection molding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-B3S-Q661-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-B3S-Q661-PA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ISO 1183
Relative Viscosity	2.7 cP	2.7 cP	ISO Test; 96 % SAV
Viscosity Test	150 cm <sup>3</sup> /g	150 cm <sup>3</sup> /g	Viscosity number
Melt Flow	145 g/10 min @Load 5.00 kg, Temperature 275 °C	145 g/10 min @Load 11.0 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	79.0 MPa	11500 psi	50mm/min; ISO 527
	79.0 MPa	11500 psi	2 in/min; ASTM Test
Elongation at Break	4.2 %	4.2 %	2 in/min; ASTM Test
Elongation at Yield	4.2 %	4.2 %	50mm/min; ISO 527
Tensile Modulus	1.107 GPa	160.6 ksi	1mm/min; ISO 527
Flexural Modulus	2.74 GPa	397 ksi	ASTM Test
Izod Impact, Notched	0.530 J/cm @Thickness 3.17 mm	0.993 ft-lb/in @Thickness 0.125 in	ASTM Test

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ASTM Test
	220 °C	428 °F	10 K/min
Deflection Temperature at 0.46 MPa (66 psi)	180 °C	356 °F	ASTM Test
	180 °C	356 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	ASTM Test

Thermal Properties	76.0 °C Metric	169 °F English	ISO 75 Comments
Descriptive Properties	Value		Comments
Color	Natural		
Commercial Status	Active America		
Impact Modified	No		
Primary Processing Technique	Injection Molding		

## Contact Songhan Plastic Technology Co.,Ltd.

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