

**BASF Ultramid® 8200 HS PA 6 (Conditioned)**

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

**Material Notes:**

Description: Ultramid 8200 HS is a heat stabilized, medium viscosity, PA6 injection molding homopolymer, exhibiting resistance to sink-mark formation in thick sections, and improved toughness over conventional lower viscosity grades. It possesses a combination of strength, stiffness and toughness properties as well as excellent heat, chemical and abrasion resistance. It is available in natural and pigmented versions. Applications: Ultramid 8200 HS is generally recommended for application such as wiring devices, plugs, receptacles, gears, connectors, convoluted tubing, filter housings, hinges, and textile components. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-8200-HS-PA-6-Conditioned.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-8200-HS-PA-6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.6 %	1.6 %	24 Hours; ISO 62
	2.7 %	2.7 %	50% RH; ISO 62
	9.5 %	9.5 %	Saturation; ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	23; ISO 527
	120 MPa	17400 psi	ISO 527
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Elongation at Break	>= 50 %	>= 50 %	ISO 527
Elongation at Yield	16 %	16 %	ISO 527

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 285 °C	464 - 545 °F	
Mold Temperature	65.0 - 80.0 °C	149 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	>= 0.15 %	>= 0.15 %	
Injection Pressure	35.0 - 125 MPa	5080 - 18100 psi	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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