

BASF Ultramid® 8200 HS PA 6 (Dry)

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-Dry.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	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	80.0 MPa	11600 psi	23; ISO 527
	23.0 MPa	3340 psi	ISO 527
	@Temperature 121 °C	@Temperature 250 °F	
	136 MPa	19700 psi	ISO 527
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Elongation at Break	25 %	25 %	ISO 527
Elongation at Yield	5.0 %	5.0 %	ISO 527
Tensile Modulus	2.70 GPa	392 ksi	ISO 527
Flexural Strength	82.0 MPa	11900 psi	ISO 178
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75

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
Commercial Status	North America	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China