

BASF Ultramid® 8270 HS PA6 (Conditioned)

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

Material Notes:

Ultramid 8270 HS is a thermally modified PA6 blow molding compound exhibiting exceptional toughness and melt strength ideally suited for blow molding, profile extrusion, and other applications requiring extra high melt viscosity. It exhibits excellent permeability and chemical resistance to oils, hydrocarbons and most solvents.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-8270-HS-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	dry; ISO 1183
Water Absorption	1.6 %	1.6 %	24 hour; ISO Test
	9.2 %	9.2 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	2.6 %	2.6 %	beginning dry (23°C/50% R.H.); ISO 62
Viscosity Measurement	220	220	Formic Acid

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	50mm/min; ISO 527
	46.0 MPa	6670 psi	2 in/min; ASTM Test
	119 MPa	17300 psi	ISO Data
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	119 MPa	17300 psi	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Flexural Strength	37.0 MPa	5370 psi	ASTM Test
	176 MPa	25500 psi	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Flexural Modulus	0.760 GPa	110 ksi	ASTM Test
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	NB	NB	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

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status	Active America	
Form	Pellets	
Impact Modified	No	
Primary Processing Technique	Blow Molding	
Processing	Blow molding	
	Injection Molding	
Special characteristic	Heat stabilized or stable to heat	
UL.UL-C	Yes	

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