

BASF Capron® 8200 NL Nylon 6 (Conditioned) (discontinued **)

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

Material Notes:

Information provided by BASF Corporation. Capron® is no longer a part of the BASF standard line. The BASF nylon products have been consolidated in the Ultramid® line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Capron-8200-NL-Nylon-6-Conditioned-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	(DAM); ISO 1183
Water Absorption	1.6 %	1.6 %	24 hr. (DAM); ISO 62
	9.5 %	9.5 %	(Beginning DAM); ISO 62
Moisture Absorption at Equilibrium	2.7 %	2.7 %	23°C/50% R.H. (Beginning DAM); ISO 62
Viscosity Measurement	64	64	Formic Acid; ASTM D789
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	MD; ASTM Test

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	0.2 in/min; ASTM D638
Tensile Strength, Yield	36.0 MPa	5220 psi	50 mm/min; ISO 527
	36.0 MPa	5220 psi	2 in/min; ASTM D638
Elongation at Break	>= 50 %	>= 50 %	50 mm/min; Nominal; ISO 527
	>= 100 %	>= 100 %	2 in/min; ASTM D638
Elongation at Yield	25 %	25 %	50 mm/min; ISO 527
	25 %	25 %	2 in/min; ASTM D638
Flexural Strength	35.0 MPa	5080 psi	ASTM D790
	155 MPa @Temperature -40.0 °C	22500 psi @Temperature -40.0 °F	ASTM D790
Flexural Modulus	0.740 GPa	107 ksi	ASTM D790
	3.66 GPa @Temperature -40.0 °C	531 ksi @Temperature -40.0 °F	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Mechanical Properties	Metric	English	Comments
	0.430 J/cm	0.193 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min (DAM)
	220 °C	428 °F	(DAM); ASTM D3418

Descriptive Properties	Value	Comments
Additive	Unfilled	
Color	Natural	
Commercial Status (March 2007)	Active America	
Form	Pellets	
Impact Modified	No	
Injection molding	Processable	
Primary Processing Technique	Film Extrusion	

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