BASF Capron® B85ZP Nylon 6 (DAM) (America) (discontinued **)

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Film Grade

Material Notes:

Not Impact modified.Information provided by BASF.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-B85ZP-Nylon-6-DAM-America-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	ISO Test
Water Absorption	1.6 %	1.6 %	24 hr; ISO Test
	9.5 %	9.5 %	ISO Test
Moisture Absorption at Equilibrium	2.7 %	2.7 %	23°C/50% R.H.; ISO Test
Oxygen Transmission	40.3 cc-mm/m²-24hr-atm	102 cc-mil/100 in²-24hr-atm	ASTM Test
Nitrogen Transmission	14.0 cc-mm/m²-24hr-atm	35.6 cc-mil/100 in²-24hr-atm	ASTM Test
Carbon Dioxide Transmission	72.8 cc-mm/m²-24hr-atm	185 cc-mil/100 in²-24hr-atm	ASTM Test
Viscosity	3.15 cP	3.15 cP	96% Sulfuric Acid; ISO Test
	3.2 cP	3.2 cP	95% Sulfuric Acid; ISO Test
	3.4 cP	3.4 cP	98% Sulfuric Acid; ISO Test
	85 cP	85 cP	Formic Acid Viscosity; ISO Test
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	MD; ASTM Test

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM Test
Tensile Strength, Yield	80.0 MPa	11600 psi	50 mm/min; ISO Test
	80.0 MPa	11600 psi	2 in/min; ASTM Test
Flexural Strength	100 MPa	14500 psi	ASTM Test
Flexural Modulus	2.62 GPa	380 ksi	ASTM Test
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	1/8 in; ASTM Test

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10 K/min; ISO Test
	220 °C	428 °F	ASTM Test
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM Test

Descriptive Properties	Value	Comments
Color	Natural	
Primary Processing	Film Extrusion	

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