

BASF Capron® B100QP Nylon 6 (DAM) (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-B100QP-Nylon-6-DAM-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Volatiles	0.70 %	0.70 %	Extractable
Water Absorption	1.6 %	1.6 %	24 hr.; ISO 62
	9.5 %	9.5 %	ISO 62
Moisture Absorption at Equilibrium	0.040 %	0.040 %	ASTM D570
	2.7 %	2.7 %	23°C/50% R.H.; ISO 62
Oxygen Transmission Rate	40.3 cc/m ² /day	2.60 cc/100 in ² /day	
Nitrogen Transmission	14.0 cc-mm/m ² -24hr-atm	35.6 cc-mil/100 in ² -24hr-atm	cc/m ² /day (Thickness not reported)
Carbon Dioxide Transmission	72.8 cc-mm/m ² -24hr-atm	185 cc-mil/100 in ² -24hr-atm	cc/m ² /day (Thickness not reported)
Viscosity Measurement	3.35	3.35	Relative Viscosity (96% SAV)
	3.4	3.4	Relative Viscosity (95% SAV)
	3.5	3.5	Relative Viscosity (98% SAV)
	100	100	Formic Acid; ASTM D789

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	2 in/min; ASTM D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	ASTM D256

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

Descriptive Properties	Value	Comments
Color	Natural	
Commercial Status (March 2007)	Active America	
FDA	21 CFR 177.1500	
Impact Modified	No	
Primary Processing Technique	Film Extrusion	

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