

BASF Capron® B135QP 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-B135QP-Nylon-6-DAM-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Volatiles	0.80 %	0.80 %	Extractable
Water Absorption	1.6 %	1.6 %	24 hr.; ISO 62
	9.5 %	9.5 %	ISO 62
Moisture Absorption at Equilibrium	0.080 %	0.080 %	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/m2/day (Thickness not reported)
Carbon Dioxide Transmission	72.8 cc-mm/m ² -24hr-atm	185 cc-mil/100 in ² -24hr-atm	cc/m2/day (Thickness not reported)
Viscosity Measurement	3.7	3.7	Relative Viscosity (95% SAV)
	3.88	3.88	Relative Viscosity (96% SAV)
	3.9	3.9	Relative Viscosity (98% SAV)
	135	135	Formic Acid; ASTM D789
Viscosity Test	239 cm ³ /g	239 cm ³ /g	Viscosity number

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
Melting Point	220 °C	428 °F	10 K/min
	220 °C	428 °F	ASTM D3418

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	

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