

BASF Capron® 8224 HSL 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-8224-HSL-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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	2 in/min; ASTM D638
	100 MPa @Temperature -40.0 °C	14500 psi @Temperature -40.0 °F	ISO 527
Elongation at Break	>= 50 %	>= 50 %	50 mm/min; Nominal; ISO 527
	>= 100 %	>= 100 %	2 in/min; ASTM D638
Flexural Strength	38.0 MPa	5510 psi	ASTM D790
	170 MPa @Temperature -40.0 °C	24700 psi @Temperature -40.0 °F	ASTM D790
Flexural Modulus	0.760 GPa	110 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256

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	

Descriptive Properties	Value <small>Value stabilized or stable to heat</small>	Comments
Color	Natural	
Commercial Status (March 2007)	Active America	
Form	Pellets	
Impact Modified	No	
Other Extrusion	Processable	
Primary Processing Technique	Wire and Cable	
Profile extrusion	Processable	
UL.UL-C	Yes	

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