

BASF Ultramid® B40 L PA6

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

Material Notes:

Description: Ultramid® B40 L is a lubricated polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film and monofilaments. Product supplied in 2-2.5 mm round pellets. Information provided by BASF

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-B40-L-PA6.php

Physical Properties	Metric	English	Comments
Bulk Density	0.640 - 0.740 g/cc	0.0231 - 0.0267 lb/in³	
Density	1.12 - 1.15 g/cc	0.0405 - 0.0415 lb/in³	ISO 1183
Water Absorption	9.5 %	9.5 %	Saturation in water 23°C
Moisture Absorption at Equilibrium	2.6 %	2.6 %	23°C/50% RH
Viscosity Measurement	3.89 - 4.17	3.89 - 4.17	(RV) 1% [m/v] in 96% [m/m] sulfuric acid; ISO 307
	240 - 260	240 - 260	(RV) 0.5% [m/v] in 96% [m/m] sulfuric acid; ISO 307

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Decomposition Temperature	>= 300 °C	>= 572 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.060 %	<= 0.060 %	ISO 15512

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Extractables	<0.6 %	ISO 6427
Film Grade	1-3	BASF
Ignition Temperature	>400°C	ASTM D1929
Lubricant	250 - 550 mg/kg	BASF

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