

BASF Ultramid® C40 LN 01 PA6/66

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , Unreinforced

Material Notes:

Description: Ultramid® C40 LN 01 is a copolyamide 6/66 grade of high viscosity for the production of multilayer film. Its lower melting point than standard PA 6 is advantageous for coextrusion with temperature sensitive polymers like EVOH. Product supplied in 2-2.5 mm cylindrical pellets. Information provided by BASF

Physical Properties	Metric	English	Comments
Bulk Density	0.690 - 0.710 g/cc	0.0249 - 0.0257 lb/in ³	
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183
Water Absorption	10.5 %	10.5 %	Saturation in water 23°C
Moisture Absorption at Equilibrium	3.2 %	3.2 %	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	192 - 194 °C	378 - 381 °F	ISO 3146
Decomposition Temperature	>= 300 °C	>= 572 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.080 %	<= 0.080 %	ISO 15512

Descriptive Properties	Value	Comments
Commercial Status	Europe	
Extractables	<0.8 %	ISO 6427
Film Grade	1-3	BASF
Ignition Temperature	>400°C	ASTM D1929
Lubricant	350 - 650 mg/kg	BASF
Nucleating Agent	250 - 550 mg/kg	BASF