



Ultramid® C40 L

BASF Corp. Monomers - Polyamide 66/6 Copolymer

Monday, November 4, 2019

General Information

Product Description

Ultramid® C40 L is a lubricated copolyamide 6/66 grade of high viscosity for the production of monofilaments and blown film. Ultramid® C40 L is well suited for the production of high transparency, nonsymmetric blown film with reduced curl. Its very low melting point compared to standard PA 6 is advantageous for coextrusion with temperature sensitive polymers like EVOH.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Additive	• Lubricant: 250 to 550 ppm
Features	• Copolymer • High Viscosity • High Clarity • Lubricated
Uses	• Blown Film • Monofilaments
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Blown Film • Coextrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Apparent (Bulk) Density	0.78	g/cm ³	
Water Absorption (Saturation, 73°F)	11	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	3.2	%	
Viscosity Number (96% H ₂ SO ₄ (Sulphuric Acid))	240 to 260	cm ³ /g	ISO 307
Extractables ²	< 0.8	%	ISO 6427
Moisture Content	< 0.060	%	ISO 15512
Pellet Shape	Round		
Pellet Size	78.7 to 98.4	mil	
Relative Viscosity - 1% in 96% Sulfuric Acid	3.89 to 4.17		ISO 307
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	370 to 374	°F	ISO 3146

Notes

¹ Typical properties: these are not to be construed as specifications.

² chips not ground, 16 hr