Ultramid® C33 01

Polyamide 66/6 Copolymer

BASF Corporation

Message:

Ultramid C33 01 is an intermediate viscosity PA6/66 grade. Its lower melting point than standard PA6 is advantageous for coextrusion with temperature sensitive polymers like EVOH. It conforms to FDA requirements including, 21 CFR 177.1500,EU Directive 2002/72/EC, the German BfR recommendation "X Polyamide", 1.6.1998 or legislations for other countries will be provided on request.
Applications
Typical applications include multilayer film, monofilaments and nonsymetric blown film with reduced curl.

General Information	
Features	Food Contact Acceptable Medium Viscosity
Uses	Film Monofilaments Multilayer Film
Agency Ratings	BfR Food Contact, Unspecified Rating EC 1907/2006 (REACH) EU 2002/72/EC FDA 21 CFR 177.1500
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Coextrusion Extrusion Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Apparent Density	0.70	g/cm³	
Water Absorption			ISO 62
Saturation, 23°C	11	%	
Equilibrium, 23°C, 50% RH	3.2	%	
Viscosity Number (96% H2SO4 (Sulphuric Acid))	195	cm³/g	ISO 307
Moisture Content	< 0.080	%	ISO 15512
Relative Viscosity - 1% in 96% Sulfuric Acid	3.30		ISO 307
Pellet Shape	cylindrical		
Pellet Size	2.00 to 2.50	mm	

Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus (23°C)	2200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	80.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	5.0	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	57.0	°C	ISO 75-2/A
Melting Temperature (DSC)	196	°C	ISO 3146

Recommended distributors for this material

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