

Ultramid® A34 01

Polyamide 66

BASF Corporation

Message:

Ultramid® A34 01 is a polyamide 66 grade of intermediate viscosity that is well suited for the production of cast monolayer film, monofilaments and bristles.

General Information			
UL YellowCard	E41871-233759		
Features	Food Contact Acceptable		
	Medium Viscosity		
	Oil Resistant		
Uses	Cast Film		
	Monofilaments		
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	Cast Film		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1.12 to 1.15	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	
Water Absorption			
Saturation, 23°C	8.5	%	
Equilibrium, 23°C, 50% RH	2.2	%	
Viscosity Number (96% H ₂ SO ₄ (Sulphuric Acid))	190 to 220	cm ³ /g	ISO 307
Moisture Content	< 0.10	%	ISO 15512
Relative Viscosity - 1% in 96% Sulfuric Acid ¹	3.23 to 3.63		ISO 307
Black Specks	< 6.40	mm ² /kg	Internal Method
Pellet Shape	cylindrical		

Pellet Size	2.00 to 2.50	mm	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	260	°C	ISO 3146
NOTE			
1.	calculated by Huggins method		

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