

Ultramid® B40

Polyamide 6

BASF Corporation

Message:

Ultramid® B40 is a polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film and monofilaments.

General Information			
UL YellowCard	E41871-233709		
Features	Food Contact Acceptable		
	High Viscosity		
	Oil Resistant		
Uses	Cast Film		
	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	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	1.12 to 1.15	g/cm ³	ISO 1183
Apparent Density	0.78	g/cm ³	
Water Absorption			ISO 62
Saturation, 23°C	9.5	%	
Equilibrium, 23°C, 50% RH	2.6	%	
Viscosity Number (96% H ₂ SO ₄ (Sulphuric Acid))	240 to 260	cm ³ /g	ISO 307
Extractables	< 0.6	%	ISO 6427
Moisture Content	< 0.060	%	ISO 15512
Relative Viscosity - 1% in 96% Sulfuric Acid ¹	3.89 to 4.17		ISO 307
Film Grade	1.00 to 3.00		Internal Method
Pellet Shape	round		
Pellet Size	2.00 to 2.50	mm	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	220	°C	ISO 3146
NOTE			
1.	calculated by Huggins method		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

