

Ultramid® C33 01

Polyamide 6/66

Product Description

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 nonsymmetric blown film with reduced curl.

ISO DATA	ISO Test Method	Property Value
Tensile Modulus, MPa(psi) 23C (73F)	527	2,200 (319,000)
Tensile Strength, Yield, MPa(psi) 23C (73F)	527	80 (11,600)
Elongation, Yield, % 23C (73F)	527	5
Melting Point, C	3146	196
Heat Deflection @ 264 psi (1.8 MPa) C(F)	75	57 (134)
Density	1183	1.12
Moisture, %	62	
(50% RH)		3.2
(Saturation)		10.5
PELLET PROPERTIES	ISO Test Method	Property Value
Viscosity Number (0.5% in 96% Sulfuric Acid), cm/g	307	195
Relative Viscosity (1% in 96% Sulfuric Acid)	307	3.3
Bulk Density, Kg/m		700
Pellet Shape		cylindrical
Pellet Size, mm		2 to 2.5
Moisture Content, %	15512	<0.08

Note

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