

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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