

HOMOPOLYMER

Data Sheet *

Description

Luban polypropylene is manufactured using Novolen vertical stirred gas-phase polymerization process.

1128 N is a homopolymer polypropylene with superior slip and antiblocking properties.

Applications

Cast film & TQPP film

Properties

(Typical Values)

| Property | Units | Test method | Value ** |
|---|-------------------|-------------|----------|
| Melt flow rate (230°C/2.16kg) | g/10 min | ASTM D1238 | 10.5 |
| Density | g/cm ³ | ASTM D1505 | 0.91 |
| Flexural modulus (1% Secant) (1.3 mm/min) | psi | ASTM D790 | 200,000 |
| Tensile stress at yield (50 mm/min) | psi | ASTM D638 | 5,000 |
| Tensile strain at yield (50 mm/min) | % | ASTM D638 | 9.0 |
| Tensile strain at break (50 mm/min) | % | ASTM D638 | >50 |
| Izod impact strength Notched (+23°C) | ft-lbs/in | ASTM D256 | 0.5 |
| Izod impact strength Notched (-30°C) | ft-lbs/in | ASTM D256 | 0.2 |
| Heat Deflection Temperature (0.45 MPa) | °C | ASTM D648 | 100 |
| Film Properties (Cast Film, 50 µm) | | | |
| Haze | % | ASTM D 1003 | 2.7 |
| Dart drop impact strength F50 | g | ASTM D 1709 | 280 |

* Provisional

** Values given here are typical and should not be interpreted as specification. In a view of many factors that may affect processing and application, these data do not relieve the receiver of this information from the responsibility to carry out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose of the products made with or on the basis of the information in this publication.