

HOMOPOLYMER



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Oman Polypropylene LLC

Data Sheet*

Description

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

1101 RC is a homopolymer polypropylene with excellent resistance against gas fading.

Applications

Nonwovens spunbonded.

Properties (Typical Values)

Property	Units	Test method	Value**
Melt flow rate (230°C/2.16kg)	g/10 min	ASTM D1238	25
Density	g/cm ³	ASTM D1505	0.91
Flexural modulus (1% Secant) (1.3 mm/min)	psi	ASTM D790	193,000
Tensile stress at yield (50 mm/min)	psi	ASTM D638	5,040
Tensile strain at yield (50 mm/min)	%	ASTM D638	8
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	98

* 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.

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