

LUBAN™ 1101 RC

Polypropylene Homopolymer
Oman Oil Refineries & Petroleum Industries Co. (Orpic)

Message:

Luban polypropylene is manufactured using Novolen vertical stirred Gas-phase polymerization process.
1101RC is control rheology Homopolymer polypropylene with anti-gas fading stabilization.
Applications: Nonwoven spun-bonded.

General Information	
Additive	Anti-gas fading
Features	Controlled Rheology
	Gas-fading Resistant
	Homopolymer
Uses	Nonwovens
	Spun Bonding
	Spunbond Nonwovens

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1450	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	8.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B

NOTE	
1.	Elasticity

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