

# LUBAN™ 1102 KQH

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

Message:

Luban polypropylene is manufactured using Novolen vertical stirred gas-phase polymerization process.  
1102 KQH is a homopolymer polypropylene designed for high speed extrusion lines to manufactured stretch tapes, with low water carry over and low shrinkage.  
Applications - Tape yarn, Raffia, Thermoforming

General Information			
Features	Fast Molding Cycle		
	Homopolymer		
	Low Shrinkage		
	Low Water Carryover		
Uses	Tape		
	Yarn		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	190	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B

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