

SABIC® LDPE 2404AN00

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2404AN00 is an autoclave grade without additives. The material can be easily processed with minimum smoke development. The material is characterised by an optimal relationship between draw down and neck-in and excellent adhesion to various substrates.

General Information			
Features	Low smoke		
	Workability, good		
	Good stripping		
	Good adhesion		
	High pressure heating resistance		
	Low shrinkage		
	No additive		
Uses	Coating application		
Forms	Particle		
Processing Method	Film extrusion		
	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.2	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 2.00mm, molded	11.0	MPa	ISO 527-2/50
Fracture, 2.00mm, molded	14.0	MPa	ISO 527-2/50
Tensile Strain (Break, 2.00 mm, Compression Molded)	640	%	ISO 527-2/50
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Stress			ISO 527-3
MD: Yield, 25 µm	10.0	MPa	ISO 527-3
TD: Yield, 25 µm	9.00	MPa	ISO 527-3
MD : 25 µm	14.0	MPa	ISO 527-3
TD : 25 µm	13.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 25 µm	300	%	ISO 527-3
TD: Break, 25 µm	450	%	ISO 527-3

Oxygen Permeability (23°C, 25 µm, 0% RH)	200	cm ³ ·mm/m ² /atm/24 hr	ISO 15105-2
Water Vapor Transmission Rate (38°C, 90% RH, 25 µm)	18	g/m ² /24 hr	ISO 15106-3
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Melting Temperature (DSC)	111	°C	DIN 53765
Enthalpy Change	124	J/g	DIN 53765
Tear Strength			ISO 6383-2
MD : 25.0 µm	12.0	kN/m	ISO 6383-2
TD : 25.0 µm	9.0	kN/m	ISO 6383-2

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Recommended distributors for this material

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