

Lutene® BB0808

Low Density Polyethylene

LG Chem Ltd.

Message:

LUTENE BB0808 is mainly intended for the extrusion of blown film with high mechanical property for the manufacture of shrink film and pallet shrink covers.

LUTENE BB0808 have the balanced shrink properties and good clarity make suitable for shrink film.

LUTENE BB0808 contains neither slip agent nor antiblock agent.

Applications: Shrinkage film, Pallet shrink cover, chopping board, All types of industrial packing.

General Information			
Features	Definition, high		
Uses	Packaging		
	Films		
	Industrial application		
	Shrinkable film		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 500	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tear Resistance			ASTM D1922
MD	27.5	MPa	ASTM D1922
TD	27.5	MPa	ASTM D1922
Nitrogen Permeability	3500	cm ³ /m ² /24 hr	Internal method
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Tensile Strength			ASTM D882
MD: Fracture	21.6	MPa	ASTM D882
TD: Fracture	20.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	550	%	ASTM D882
TD: Fracture	650	%	ASTM D882
Dart Drop Impact	220	g	ASTM D1709
Oxygen Permeability	2000	cm ³ /m ² /24 hr	Internal method
Water Vapor Transmission	12	g/m ² /24 hr	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ASTM D1525

Melting Temperature	110	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	80		ASTM D2457
Haze	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 190	°C	
Extrusion instructions			

Blow up ratio: 1.5 to 3

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