

Braskem PE LD7001A

Low Density Polyethylene

Braskem

Message:

LD7001A is a Low Density Polyethylene produced by High Pressure Process, in Autoclave reactor. Developed for the manufacturing of extruded films. It has high mechanical and impact strength, good processability, high ESCR and good shrinkage.

Additivation:

Antiblocking

Slip agent

Application:

Coextruded and shrink films.

Process:

Recommended processing conditions for film extrusion about 200 - 220 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

General Information			
Additive	Anti-caking agent slip agent		
Features	Low density High ESCR (Stress Cracking Resistance) smoothness Anti-caking property Impact resistance, high Workability, good Low shrinkage		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Co-extruded 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)	0.34	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	30.0	MPa	ASTM D882
TD: Fracture, 38 µm	25.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	280	%	ASTM D882
TD: Fracture, 38 µm	880	%	ASTM D882
Dart Drop Impact ¹ (38 µm)	130	g	ASTM D1709
Elmendorf Tear Strength - TD (38 µm)	130	g	ASTM D1922

Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 μm)	61		ASTM D2457
Haze	19	%	ASTM D1003

Injection instructions

Recommended Coextrusion Conditions:
Temperature Profile: 200°C to 220°C

NOTE

1. F50

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

