

Braskem PE LD7000A

Low Density Polyethylene

Braskem

Message:

LD7000A 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.

Application:
Heavy-duty bags; agriculture, coextruded and shrink films; blow molding; tubes and hoses.

General Information			
Features	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Strength		
Uses	Agricultural Applications		
	Bags		
	Blow Molding Applications		
	Film		
	Hose		
	Shrink Wrap		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
	Film Extrusion		
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
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Break, 38 µm,Blown Film	30.0	MPa	
TD : Break, 38 µm,Blown Film	25.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm,Blown Film	280	%	
TD : Break, 38 µm,Blown Film	880	%	
Dart Drop Impact (38 µm, Blown Film)	130	g	ASTM D1709
Elmendorf Tear Strength - TD (38 µm, Blown Film)	130	g	ASTM D1922

Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 µm, Blown Film)	60		ASTM D2457
Haze (38.0 µm, Blown Film)	18	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	200 to 220	°C

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