



Producer: Braskem / Europe

LD7000A

Description:

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.

Applications:

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

Additives:

- Not additivattted

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 guarante.

| PROPERTIES | ASTM METHODS | UNITS | VALUES |
|-----------------------------------|--------------|-------------------|----------------------|
| Melt Flow Rate (190/2.16) | D 1238 | g/10 min | 0.34 |
| Density | D 792 | g/cm ³ | 0.921 |
| Typical properties | | | |
| Blow Film Properties ^a | | | |
| Tensile Strength at Break (MD/TD) | D 882 | Mpa | 30/25 |
| Elongation at Break (MD/TD) | D 882 | % | 280/880 |
| Dart Drop Impact | D 1709 | g/F50 | 130 |
| Elmendorf Tear Strength (MD/TD) | D 1922 | gF | ND ^b /130 |
| Haze | D 1003 | % | 18 |
| Gloss-Angle 60° | D 2457 | % | 60 |

(a) 38 µm thickness film, processed in a 40 mm screw diameter extruder with blow up ratio of 2,2:1 (MD=Machine Direction; TD=Transversal Direction);

(b) ND: Not determined.