

## Braskem TS7010 LDPE Blown Film Extrusion Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

### Material Notes:

TS7010 is a low-density polyethylene (LDPE) that presents excellent processability and good mechanical properties. The incorporated additives package warrants a low coefficient of friction (COF) allowing better performance in packaging lines. This product is identified as PE 114 according to ASTM D-4976-04a standard specification. It contains antiblocking and slip agent additives. Its applications include films for automatic or semi-automatic packaging of food products (grains, powder or ground products) such as cereals, sugar, salt, and flours.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-TS7010-LDPE-Blown-Film-Extrusion-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-TS7010-LDPE-Blown-Film-Extrusion-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM-D882
Film Elongation at Break, TD	620 %	620 %	ASTM-D882
Secant Modulus, MD	0.120 GPa	17.4 ksi	2% Secant Modulus; ASTM-D882
Secant Modulus, TD	0.130 GPa	18.9 ksi	2% Secant Modulus; ASTM-D882
Elmendorf Tear Strength MD	310 g	310 g	ASTM-D1922
Elmendorf Tear Strength TD	240 g	240 g	ASTM-D1922
Elmendorf Tear Strength, MD	6.20 g/micron	157 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	4.80 g/micron	122 g/mil	ASTM-D1922
Dart Drop	3.40 g/micron	86.4 g/mil	ASTM-D1709
Dart Drop Test	170 g	0.375 lb	ASTM-D1709
Film Tensile Strength at Break, MD	23.0 MPa	3340 psi	ASTM-D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	9.5 %	9.5 %	ASTM-D1003

Optical Properties	Metric	English	Comments
	85 %	85 %	Angle 60°; ASTM-D2457

Processing Properties	Metric	English	Comments
Die Opening	0.100 cm	0.0394 in	Blow Film Extrusion
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	Blow Film Extrusion

Descriptive Properties	Value	Comments
Mass Temperature (°C)	175-185	Blow Film Extrusion
Temperature Profile (°C)	155-185	Blow Film Extrusion

## Contact Songhan Plastic Technology Co.,Ltd.

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