

Linear Low Density Polyethylene FLEXUS7200XP

Description

Braskem Flexus7200XP is a Linear Low Density Polyethylene, metallocene ethylene-hexene copolymer. It was specially designed to provide outstanding processing performance. Films obtained with this grade show excellent mechanical and optical properties. It contains antioxidant additives.

Applications

Stretch films

Process

Recommended processing conditions for film extrusion about 220 - 270 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

Control Properties

	ASTM Method	Unit	Value
Melt Flow Rate (190°C/2.16Kg)	D 1238	g/10 min	3,5
Density	D 1505	g/cm3	0,918

Properties:

	ASTM Method	Unit	Value
Ultimate Strength (MD/TD) (a)	D 882	MPa	40/30
Elongation at Break (MD/TD) (a)	D 882	%	990/1040
Tensile Modulus – 1% Secant (a)	D 882	MPa	180/190
Dart Drop Impact (a)	D 1709	g/F50	170
Elmendorf Tear Strength (MD/TD) (a)	D 1922	gF	250/460
Highlight - Ultimate Test (1)(2)	D 4649	%	380
Highlight – Puncture (1)(2)(3)	D 4649	Kg	3,2
Highlight – Retention Maximum Force (1)(2)(3)	D 4649	Kg	4,1
Highlight – Retention Ending Force (1)(2)(3)	D 4649	Kg	2,5
Highlight – Retention Loss (1)(2)(3)	D 4649	%	30
Highlight – Cling (1)(2)(3)	D 4649	g	16
Haze (1)(2)	D 882	%	1,8
Transmittance (1)(2)	D 882	%	93,8
Gloss - Angle 60° (1)(2)	D 2457	%	149

(a) 25 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)

(1) 23µm thickness film, processed in a 3 layer coextruder

(2) Formulation: 75%Flexus7200XP + 25% LLDPE Octene

(3) Highlight tested at 320%

