

## Braskem Flexus® 9200 LLDPE Blown Film Extrusion

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

### Material Notes:

Description: Flexus 9200 is a LLDPE hexene copolymer produced through metallocene catalyst which presents excellent impact and puncture strength, beyond a differential sealing performance comparing with another typical LLDPE. It processing aid and antioxidant additives 25µm film gauge, obtained in 40mm extruder, with blow up ratio 2, 2:1 Applications: Heavy-duty bags; liners, LDPE and HDPE blends; packages for general use. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-Flexus-9200-LLDPE-Blown-Film-Extrusion.php](http://www.lookpolymers.com/polymer_Braskem-Flexus-9200-LLDPE-Blown-Film-Extrusion.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	25.0 microns	0.984 mil	
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	1010 %	1010 %	ASTM D882
Film Elongation at Break, TD	1210 %	1210 %	ASTM D882
Secant Modulus, MD	0.130 GPa	18.9 ksi	1%, Flexural; ASTM D882
Secant Modulus, TD	0.150 GPa	21.8 ksi	1%, Flexural; ASTM D882
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength, MD	9.60 g/micron	244 g/mil	ASTM 1922
Elmendorf Tear Strength, TD	15.2 g/micron	386 g/mil	ASTM 1922
Dart Drop	>= 34.0 g/micron	>= 864 g/mil	ASTM D1709
Heat Seal Strength Initiation Temperature	99.0 °C	210 °F	Sealing Initial Temperature

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	120 %	120 %	ASTM D2457

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Puncture Strength	30 J/mm	ASTM D5748

## Contact Songhan Plastic Technology Co.,Ltd.

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