



Datasheet

29/04/2021

Low Density Polyethylene SPB681**Description:**

SPB681 is a low density polyethylene developed for film extrusion. This resin has outstanding processability, which provides excellent stability to produce thin films. Films produced with this resin have exceptional optical properties. The minimum carbon biobased content for this grade is 95%, determined according to ASTM D6866.

Applications:

Blends with LLDPE, Blends with HDPE

Processes:

Cast Film Extrusion., Blown film extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	3.8
Density	D 1505	g/cm ³	0.922

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	23/14
Elongation at Break (MD/TD)	D 882	%	370/875
Dart Drop Impact	D 1709	g/F50	75
Elmendorf Tear Strength (MD/TD)	D 1922	gF	685/265
Haze	D 1003	%	7
Gloss - Angle 60°	D 2457	%	75

(a) 40 µm thickness film in a 75mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction)

Final Remarks:

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.