



Datasheet

01/23/2020

Low Density Polyethylene SEB853**Description:**

SEB853 is a low density polyethylene produced under high pressure technology. Films obtained with this product show outstanding optical properties, good sealability, and low gel content. Additives free. The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

Applications:

Blends with HDPE, Blends with LLDPE, Low thickness film

Processes:

Cast film extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.7
Density	D 1505	g/cm ³	0.923

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	350/1050
Dart Drop Impact	D 1709	g/F50	80
Elmendorf Tear Strength (MD/TD)	D 1922	gF	580/210
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.