

## 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 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 <sup>3</sup>	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:

- This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA - Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
- 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.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 9002-88-4
- The mentioned values in this report can be changed at any moment without Braskem previous communication.
- For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
- This resin does not contain the substance Bisphenol A (BPA, CAS #80-05-7) in its composition.