


Datasheet

17/01/2019

Low Density Polyethylene SLD4004

Description:

SLD4004 is a high pressure low density polyethylene (LDPE). It offers a good balance between mechanical properties and processability.

The minimum carbon biobased content of this grade is 96%, determined according to ASTM D6866.

Application:

Blow molded parts; Extrusion films; Foaming sheets.

Processes:

Blown Film Extrusion, Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	2.0
Density	ASTM D 792	g/cm ³	0.923

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	ASTM D 638	MPa	13
Elongation at Break (a)	ASTM D 638	%	920
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	240
Shore D Hardness (c)	ASTM D 2240	-	45
Vicat Softening Temperature at 10 N (b)	ASTM D 1525	°C	92
Melting temperature	ASTM D 3417/D 3418	°C	110

¹ Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks:

- 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.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.