Braskem

Data Sheet
Apr/2021

Low Density Polyethylene S1025

Description:

S1025 is a low density polyethylene (LDPE) which presents good flexibility and transparency. It is used in blow molding process for production of small and flexible flasks for medical and pharmaceutical goods.

Applications:

Pharmaceutical products packaging

Processes:

Extrusion Blow Molding

Control Properties:

Characteristic	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	1.0
Density	ASTM D 792	g/cm³	0.925

Typical Properties - Plaque[1]:

Plaque Properties

Characteristic	Method	Units	Values
Tensile Strength at Yield (a)	ASTM D 638	MPa	12
Tensile Strength at Break (a)	ASTM D 638	MPa	14
Elongation at Break (a)	ASTM D 638	%	900
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	200
Shore D Hardness (c)	ASTM D 2240	-	50
Vicat Softening Temperature at 10 N (b)	ASTM D 1525	°C	96
Melting temperature	ASTM D 3417/D 3418	°C	111

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

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.