

Low Density Polyethylene PB608

Description:

PB608 is a grade produced under high pressure in an autoclave reactor. This grade is especially designed for injection molding of articles that must show excellent flexibility properties and very good flow ability.

Additive:

No additives present.

Applications:

Masterbatches;

Covers and injected parts with large flat area.

Process:

Injection Molding

Recommended Processig Conditions:

Injection Molding

Recommended processing condition for injection molding:

- Temperature profile: 130 to 170°C.

The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	30
Density	D 1505	g/cm ³	0.915

Properties:

Plaque Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break	D 638	MPa	9
Tensile Elongation at Break	D 638	%	390
Tensile Strength at Yield	D 638	MPa	8
Flexural Modulus – 1% Secant	D 790	MPa	150
Shore D Hardness	D 2240	-	42
Vicat Softening Temperature at 10 N	D 1525	°C	79

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques. 10% Igepal. 50°C.

Final Remarks:

1. 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



2. 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.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 009002-88-4.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.

