

Low Density Polyethylene PB608
Description:

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

Additive:

Non additives are present.

Applications:

Covers and parts with large flat area; injection molding.

Process:

Injection Molding

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	8
Tensile Elongation at Break	D 638	%	390
Tensile Strength at Yield	D 638	MPa	8
Flexural Modulus – 1% Secant	D 790	MPa	450
Shore D Hardness	D 2240	-	39
Vicat Softening Temperature at 10 N	D 1525	°C	79
Environmental Stress Cracking Resistance ^b	D 1693	h/F50	15

(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.

Recommended Processig Conditions:
Injection Molding

- Temperature profile.....from.180 to 210°C

- Mold temperature.....5 to 25°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. Braskem polyolefin products do not have additives with metals or other substances on purpose of oxidegradation. These additives and the decomposition and disintegration of polyolefins caused by oxidegradation phenomenon can cause environmental pollution, decrease the package performance and increase migration of package constituent to food, compromising resin approval regarding the requirements of Anvisa Resolution 105/99. The use of these additives with Braskem polyolefin products implies immediate loss of performance guarantee described in this data sheet.
9. The content of this Data Sheet replaces previous revisions published for this product.
10. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.