Braskem

Data Sheet

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 170ºC.
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	ºC	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. 50ºC.