



Producer: Braskem / Brazil

G803

Description:

Excellent processability, high fluidity and dimensional stability. It does not contain additives.

Applications:

Lids, closures, and general purpose injection molding parts.

Control Properties	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	30
Density	D 792	g/cm ³	0.918

Plaque Properties^a

Typical Properties	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	Mpa	9
Tensile Strength at Break	D 638	Mpa	6
Tensile Elongation at Break	D 638	%	150
Flexural Modulus - 1% Secant	D790	Mpa	200
Shore D Hardness	D2240	-	40
Environmental Stress Cracking Resistance	D1693	h/F50	1
Vicat Softening Temperature at 10 N	D1525	° C	85
Rigidity	D 747	Mpa	320
Fragility Temperature	D 746	° C	- 70

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

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

Recommended Processing Conditions :

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.