High Density Polyethylene IA59

Description:

IA59 is a high density polyethylene, with narrow molecular weight distribution, homopolymer, for injection molding applications. It offers high stiffness, excellent impact strength, good processability and low warpage.

Applications:

Houseware, Pallet, Boxes and Crates, Caps

Processes:

Injection Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	7.3
Density	D 792	g/cm³	0.960

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	28
Tensile Strength at Break (a)	D 638	MPa	15
Flexural Modulus - 1% Secant (b)	D 2240	MPa	1250
Shore D Hardness (c)	D 2240	-	60
Izod Impact Strength (b)	D 256	J/m	75
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	70
Vicat Softening Temperature at 10 N (b)	D 1525	°C	128

[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.