

High Density Polyethylene SGF4960

Description:

SGF4960 is a homopolymer high-density polyethylene, developed for the blow-molding segment with high density and stiffness combined with high impact resistance. The minimum biobased carbon content of this grade is 96%, determined according to ASTM D6866.

Aplicações:

Blow molding small volumes, Dairy based products packaging, Juice packaging, Food packaging, bottles for ethylic alcohol, toys

Processos:

Extrusion Blow Molding

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.34
Density	D 792	g/cm ³	0.962

Typical Properties:

Plaque Properties

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/21,6kg)	ASTM D 1238	g/ 10 min	28
Tensile Strength at Yield (a)	ASTM D 638	MPa	30
Tensile Strength at Break (a)	ASTM D 638	MPa	30
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1550
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m ²	90
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	70
Vicat Softening Temperature at 10 N (b)	ASTM D 1525	°C	132

Typical properties correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4703. Thickness of test piece: a) 2 mm; b) 3 mm.

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.