High Density Polyethylene SHD1760

Description:

SHD1760 is a high density polyehtylene indicated for the injection molding process. The minimum biobased content of this grade is 96%, determined according to ASTM D6866.

Applications:

Injection molded parts

Processes:

Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	8,9 - 28,8
Density	ASTM D 792	g/cm³	0,957 - 0,962

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	ASTM D 638	MPa	27
Tensile Strength at Break (a)	ASTM D 638	MPa	16
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1375
Izod Impact Strength (b)	ASTM D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	69

[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.