



Datasheet

01/07/2021

High Density Polyethylene RIGEO HD1053H**Description:**

RIGEO HD1053H is a high density polyethylene, copolymer, developed for blow molding application with excellent impact strength and stiffness. It exhibits excellent stress cracking resistance being suitable for contact with surfactant substances and chemicals.

Applications:

Packages up to 60 liters for domestic, chemical and industrial products

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	0.1
Density	ASTM D 792	g/cm ³	0.953

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/ 10 min	10
Tensile Strength at Yield (a)	ASTM D 638	MPa	30
Tensile Strength at Break (a)	ASTM D 638	MPa	40
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1200
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m ²	150
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	70
FNCT	Braskem	min	> 1000

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.