



Datasheet

Jun/2021

High Density Polyethylene Rigeo HD1954M**Description:**

RIGEO HD1954M is a high density polyethylene, copolymer, developed for the blow molding process, presenting high impact resistance and rigidity. Rigeo HD1954M presents excellent stress cracking resistance, being suitable for applications involving contact with chemical compounds and surfactants.

Applications:

Packages up to 20 liters for chemicals, domestic and industrial

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	0.19
Density	ASTM D 792	g/cm ³	0.954

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/ 10 min	13
Tensile Strength at Yield (a)	ASTM D 638	MPa	30
Tensile Strength at Break (a)	ASTM D 638	MPa	35
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1250
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m ²	120
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	70
FNCT	Braskem	min	> 400

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.