



Datasheet

26/12/2018

High Density Polyethylene RIGEO LUMIOS**Description:**

RIGEO LUMIOS is a high density polyethylene specially designed to provide high gloss and excellent surface finish for multilayer small blow molded bottles.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1.0
Density	D 792	g/cm ³	0.948

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	28
Tensile Strength at Break (a)	D 638	MPa	40
Flexural Modulus - 1% Secant (b)	D 790	MPa	1200
Shore D Hardness (c)	D 2240	-	60
Environmental Stress Cracking Resistance - notch 0,5 mm; 50°C; 10% Igepal CO630 (b)	D 1693	h/F50	10

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.