


Datasheet
Jun/2020

High Density Polyethylene RPR 7A2 WE

Description:

High density polyethylene RPR 7A2 WE obtained by reverse logistics of post-consumer recycled polymer. Available in predominantly white colour.

Applications:

Rigid Packaging - Blow Molding, Lubricating oil packaging

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	0.40
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	0.34
Density	ASTM D 792	g/cm ³	> 0.955

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1100
Izod Impact Strength (b)	ASTM D 256	J/m	> 50
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	ASTM D 1693	h/F50	> 10
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 100% Igepal CO630 (a)	ASTM D 1693	h/F50	> 20

¹ Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks:

- Braskem informs this is a recycled product, which composition is not entirely known and may vary, as expected for recycled products. This product has not been tested by Braskem, being client's sole responsibility to verify the product's suitability for the intended use. Braskem is not responsible for any use of this product in discordance with the applicable legislation.
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