Braskem I'm green BIO-BASED

Data Sheet
Jul/2021

High Density Polyethylene SHE150

Description:

SHE150 resin is a High Density Polyethylene that has been specially designed for monofilament extrusion process and provides a good balance of processability, spinnability, knotting strength as well as a very low gels amount. It can also be blended with LLDPE to improve blown film stiffness. It contains processing aid and antioxidant additives. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Aplicações:

Film, Ropes, Shading nets, Raschel

Processos:

Extrusion of Monofilaments

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1
Density	D 792	g/cm³	0.948

Typical Properties - Plaque[1]:

Plaque Properties

Característica	Método	Unidades	Valores
Tensile Strength at Yield (a)	D 638	MPa	28
Tensile Strength at Break (a)	D 638	MPa	40
Flexural Modulus - 2% Secant (b)	D 2240	MPa	1280
Hardness (c)	D 2240	-	62
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	76
Vicat Softening Temperature at 10 N (b)	D 1525	°C	128

[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. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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