Braskem

Datasheet
Mar/2022

Polypropylene RP 225M

Description:
Random Copolymer

RP 225M is a medium melt flow Random Copolymer, with excellent balance of optical and slip properties. Contain slip and antiblocking additives.

Applications:
Flexible Packaging (Cast Films)., Flexible Packaging (Tubular Films), Textile Applications

Processes:
Cast Film Extrusion., Blown Film Extrusion

Control Properties

Feature	Method	Units	Values
Nominal Melt Flow (230°C/2.16kg)	D 1238	g/10 min	8.0

Typical Properties[a]

Feature	Method	Units	Values
Density	D 792	g/cm³	0.902
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D 790	MPa	900
Tensile Strength at Yield (2 in/min, 50 mm/min)	D 638	MPa	28
Elongation at Yield (2 in/min, 50 mm/min)	D 638	%	12
Notched Izod Impact Strength (at 23°C)	D 256	J/m	30
Heat Deflection Temperature (0.45 Mpa)	D 648	°C	85
Vicat Softening Temperature (at 10 N)	D 1525	°C	134

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Film Properties

Feature	Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	460/430
Tensile Strength at Yield (MD/TD)	D 882	MPa	20/19
Elongation at Yield (MD/TD)	D 882	%	16/14
Haze	D 1003	%	1.4
Gloss 45°	D 2457	-	96
Sealing Initial Temperature	Braskem Method	°C	110

3) 30 µm thickness film, processed in a 50 mm screw diameter extruder with blow up ratio of 1,3:1 (MD=Machine Direction and TD=Transversal Direction)

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.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
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