



Datasheet
Review 4 (May / 18)

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:

Blown Film Extrusion, Cast film extrusion

Control Properties

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

Typical Properties^a

Feature	Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus - 1% Secant	D 790	MPa	900
Tensile Strength at Yield	D 638	MPa	28
Tensile Elongation at Yield	D 638	%	12
Notched Izod Impact Strength at 23°C	D 256	J/m	30
Deflection Temperature under Load at 0.455 MPa	D 648	°C	85
Vicat Softening Temperature at 10 N	D 1525	°C	134

a) Injection molded specimen according to ASTM D 4101.

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)

²Final Observations

- 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.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 9003-07-0.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.
- Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
- This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.