

Braskem PP RP 225M

Polypropylene Random Copolymer

Braskem

Message:

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

Applications:

Extrusion of Tubular Water Quenched (TWQ) and cast film for packaging of textiles, foods.

Processing:

Extrusion of tubular film

Extrusion of cast film

General Information	
Additive	Antiblock Slip
Features	Antiblocking Medium Flow Opticals Random Copolymer Slip
Uses	Cast Film Food Packaging Packaging
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Film Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, Injection Molded	28.0	MPa	ASTM D638
Yield, Injection Molded	29.0	MPa	ISO 527-2
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638, ISO 527-2
Flexural Modulus			
Injection Molded	900	MPa	ASTM D790
Injection Molded	950	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	30	J/m	ASTM D256
23°C, Injection Molded	3.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	85.0	°C	ASTM D648
0.45 MPa, Unannealed	76.0	°C	ISO 75-2/B
Vicat Softening Temperature	134	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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