

Polypropylene RP 225M

Sub-group:

Random Copolymer

Description:

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

Control Properties:

	ASTM Method	Units	Values
Melt Index (230°C/2,16 kg)	D 1238	g/10 min	8.0

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus	D 790	MPa	900
Tensile strength at yield	D 638	MPa	28
Elongation at yield	D 638	%	12
Notched Izod impact strength at 23°C	D 256	J/m	30
Heat deflection temperature at 0,455 MPa	D 648	°C	85
Vicat softening temperature at 10 N	D 1525	°C	134

a) Tests made in injection molded specimens according to ASTM D 4101.



Film Properties^b:

	ASTM Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	370/360
Tensile Strength at Yield (MD/TD)	D 882	MPa	19/19
Elongation at Yield (MD/TD)	D 882	%	15/16
Haze	D 1003	%	0.8
Gloss 45°	D 2457	-	98
Sealing Initial Temperature	Braskem Method	°C	111

b) 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)

