

Polypropylene PRA 0852

Sub-group:

Random Copolymer

Description:

PRA 0852 is a medium melt flow rate random copolymer, with slip and antiblocking agents. It is suitable for blown and cast film. PRA 0852 has excellent optical properties and good processability.

Applications:

Flexible packages with excellent gloss, transparency and sealing properties for general purpose, food and textile packaging.

Processing:

Blown Film Extrusion

Cast Film Extrusion

Control Properties:

	ASTM Method	Units	Values
Melt Index (230°C/2,16 kg)	D 1238	g/10 min	8.5

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus	D 790	MPa	1200
Tensile strength at yield	D 638	MPa	33
Elongation at yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	100
Notched Izod impact strength at 23°C	D 256	J/m	45
Heat deflection temperature at 0,455 MPa	D 648	°C	90
Vicat softening temperature at 10 N	D 1525	°C	139

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	430/450
Tensile Strength at Yield (MD/TD)	D 882	MPa	21/22
Elongation at Yield (MD/TD)	D 882	%	17/15
Haze	D 1003	%	2.5
Gloss 45°	D 2457	-	92
Sealing Initial Temperature	Braskem Method	°C	112

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)

