

Polypropylene PH 0950

Sub-group:

Homopolymer

Description:

PH 0950 is a medium melt flow rate homopolymer with antiblocking agent. PH 0950 is specially designed for twisted films produced even by cast or blown film extrusion. It exhibits excellent optical properties and good processability.

Applications:

Twist film for sweets and candies.

Processing:

Blown Film Extrusion

Cast Film Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (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	0.905
Flexural Modulus – 1% secant	D 790	MPa	1400
Tensile Strength at Yield	D 638	MPa	36
Tensile Elongation at Yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	101
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	98
Deflection Temperature under Load at 1.820 MPa	D 648	°C	58
Vicat Softening Temperature at 10 N	D 1525	°C	153

a) Injection molded specimen according to ASTM D 4101.





Film Properties^b:

	ASTM Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	560/560
Tensile Strength at Yield (MD/TD)	D 882	MPa	23/23
Elongation at Yield (MD/TD)	D 882	%	12/11
Haze	D 1003	%	2.0
Gloss 45°	D 2457	-	92
Sealing Initial Temperature	Braskem Method	°C	118

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)

