

Polypropylene PH 0952

Sub-group:

Homopolymer

Description:

PH 0952 is a medium melt flow rate homopolymer, with slip and antiblocking agents. This product is designed for technical films segment and packaging for cast and blown film extrusion. This product features excellent optical properties and good processability.

Applications:

Coil for automatic packaging; Food and textile packaging; Films for lamination.

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	1200
Tensile Strength at Yield	D 638	MPa	35
Tensile Elongation at Yield	D 638	%	11
Rockwell Hardness (R Scale)	D 785	-	90
Notched Izod Impact Strength at 23°C	D 256	J/m	30
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Deflection Temperature under Load at 1.820 MPa	D 648	°C	55
Vicat Softening Temperature at 10 N	D 1525	°C	149

a) Injection molded specimen according to ASTM D 4101.





Film Propertiesb:

	ASTM Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	530/550
Tensile Strength at Yield (MD/TD)	D 882	MPa	22/22
Elongation at Yield (MD/TD)	D 882	%	12/10
Haze	D 1003	%	2.4
Gloss 45°	D 2457	-	93
Sealing Initial Temperature	Braskem Method	°C	115

b) 30  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)

