

Polypropylene H 504XP

Sub-group:

Homopolymer

Description:

H 504XP is a low melt flow rate homopolymer, designed specially for high speed lines of biooriented films (BOPP). This product features a broad processing window with high output and regular thickness profile, providing very good optical and mechanical properties, good slipping and high barrier.

Applications:

Bioriented films for conversion and metallization; Pearlized opaque films; Adhesive tapes; Food and textile packaging.

Processing:

Bioriented Film (BOPP)

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	3.0

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1250
Tensile Strength at Yield	D 638	MPa	32
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	100
Deflection Temperature under Load at 1.820 MPa	D 648	°C	57
Vicat Softening Temperature at 10 N	D 1525	°C	151

a) Injection molded specimen according to ASTM D 4101.

