

Product Data

TITANPRO PD943 FOR WATER QUENCHED BLOWN FILM

CHARACTER	Polypropylene homopolymer. Titanpro PD943 complies with the U.S. Food and Drug Administration (FDA) regulation as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. TSCA Registry: CAS# 9003-07-0
APPLICATIONS	Bags for hosiery, shirts and other textiles. Food packaging for fresh fruits and produce.
ADVANTAGES	Good optical properties. Excellent stiffness. High slip development and good openability.
FABRICATION	Equipment -general water quench blown film machines. Techniques - standard processing. Extrusion and water bath conditions can be varied to obtain the desired optical and mechanical film properties.

<u>TYPICAL RESIN PROPERTIES</u> ^(a)	<u>UNIT</u>	<u>PD943</u>	<u>ASTM METHOD</u> ^(b)
Melt Flow Rate, at 230°C	g/10 min	11	D1238
Density	g/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	360	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	17000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	3.3	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°C	95	D648
Rockwell Hardness	R scale	94	D785A
Water absorption after 24 hours	%	0.02	D570

(a) Values shown are average and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

Shrinkage : 1.3 - 1.4% depending on the product wall thickness and molding parameters.

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