

TYPICAL PROPERTIES OF Balewrap Oriented HIPS Film – FNABWP

Properties		Units	Typical Values	Test Method
Average Thickness		mil µm	3.0 75	ASTM D6988
Thickness Range		mil µm	2.75 – 3.15 68.8 – 78.8	Internal
Yield		in ² /lb m ² /kg	8,944 12.72	ASTM D4321
Vacant Softening Point		degree	190 – 194°F (88 – 90°C)	ASTM D1525
Surface Tension		dyne/cm	39	ASTM D2578
Coefficient of Friction		—	< 0.5	ASTM D1894
Dart Drop Impact		ft/lb	10.0	ASTM D4272
Orientation Ratio (<i>balanced</i>)		—	3.0 MD by 3.0 TD	Internal
% Butadiene, Titration		%	16.5	Internal
Opacity		%	85	ASTM D589
Haze		%	89	ASTM D1003
Clarity		%	7	ASTM D1003
Gloss @60°		%	10.0	ASTM D523
Tensile Strength	MD TD	psi (MPa)	5,500 (37.92) 6,600 (41.37)	ASTM D882
Elongation	MD TD	%	100 – 160 80 – 130	ASTM D882
1% Secant Modulus	MD TD	Kpsi	200 200	ASTM D882

Thickness & Yields may vary by +/- 10%

All data represents typical values by the methods indicated and should be considered so. The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.