



36 MIL POLYPROPYLENE PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUES</u>
Gauge, Nominal (Mils)	ASTM-D751	36 ± 10%
Plies Reinforcing		1
Breaking Strength	ASTM-D751, Method A	275 X 225 lbs.
Tear Strength (lbs. Min.)	ASTM-D751, Tongue Tear	70 lbs.
Low Temperature (° F)	ASTM-D2136, 1/8" Mandrel – 4 hrs.	-40° F
Dimensional Stability (% Change Max.)	ASTM-D1204 (180° F/1 hour)	1 %
Hydrostatic Resistance (psi Min.)	ASTM-D751, Method A	350 psi
Ply Adhesion (lbs./in. Min.)	ASTM-D413	20 lbs.
Puncture Resistance	FTMS-101C	250 lbs.
Water Absorption (Max. % Weight Change)	ASTM-D471	<1%
U. V. Resistance (Hours)	ASTM G-26 Xenon Arc @ 80° C	Pass @ >12,000 hours+
Resistance to Soil Burial (% Tensile Retention)	ASTM-D3083 (Part. 9.5)	90% Min.

The data shown are the result of laboratory tests and are intended to be used as a guide. No performance, fitness, or any other warranty is intended, expressed or implied by the data.



45 MIL POLYPROPYLENE PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUES</u>
Gauge, Nominal (Mils)	ASTM-D751	45 ± 10%
Plies Reinforcing		1
Breaking Strength	ASTM-D751, Method A	275 x 225 lbs.
Tear Strength (lbs. Min.)	ASTM-D751, Tongue Tear	70 lbs.
Low Temperature (° F)	ASTM-D2136, 1/8" Mandrel – 4 hrs.	-40° F
Dimensional Stability (% Change Max.)	ASTM-D1204 (180° F/1 hour)	1 %
Hydrostatic Resistance (psi Min.)	ASTM-D751, Method A	350 psi
Ply Adhesion (lbs./in. Min.)	ASTM-D413	20 lbs.
Puncture Resistance	FTMS 101C,	250 lbs.
Water Absorption (Max. % Weight Change)	ASTM-D471	<1%
U. V. Resistance (Hours)	ASTM G-26 Xenon Arc @ 80° C	Pass @ >12,000 hours+
Resistance to Soil Burial (% Tensile Retention)	ASTM-D3083 (Part. 9.5)	90% Min.

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