



Transmission Stringing Travelers & Accessories

Urethane Lining	
Hardness - ASTM D2240 Shore D	45-50
Resilience - Bayshore, percentage	37-43
Modulus at 100% Elongation ASTM D412	1800 psi min
Ultimate Elongation ASTM D412, percentage	400 - 450
Tear Strength ASTM D624, DIE "B" pounds	450 min.
Abrasion Resistance ASTM D1 044-56, Tabor Abrader, CS-1 7 Wheels, 100g wt	125 mg. max
Compression Set ASTM D395 Method "B", 22 hours at 158oF, percentage	40 max
Compression Set ASTIVI D1 229, 70 hours at -7°F, percentage	50 max
Brittle Temperature ASTIVI D746	90°F max
Ultimate Tensile Strength ASTM D412, 20" per min	5000 psi min

Weather Resistance:

At 100°F, and 10% Elongation, with ozone level at 50 PPHM, the following must comply:

ASTM G23	Shall not crack or craze
ASTM D412	Tensile strength loss shall not exceed 40%
ASTM D1149	No cracks shall be visible to the unaided eye

Surface Finish:

All urethane surfaces shall be free from mold imperfections such as nicks, scratches, blisters or other discrepancies. Voids or craters not larger than 1/16 inch diameter X 1/16 inch deep will be permitted.

Lining Thickness:

The thickness of the lining at the bottom of the groove shall be not less than .25"

Adhesive Peel Strength ASTM D429

Method "B" pounds per inch	250 min.
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Neoprene Lining	
Hardness - ASTM D2240 Shore A	65-70
Ultimate Elongation ASTM D412, percentage	500
Electrical Resistance OHMS	3.5 X 10 3.5
Abrasion Resistance ASTM D1 044-56, Tabor Abrader,	275 mg max
Compression Set ASTM D395 Method "B", 22 hours at 158°F, percentage	15.4 max.
Brittle Temperature ASTM D746 -	50°F max
Ultimate Tensile Strength ASTM D412, 20" per min	2800 psi min.

Weather Resistance:

At 1 00°F, and 10% Elongation, with ozone level at 50 PPHM, the following must comply:

ASTM G23	Shall not crack or craze
ASTM D412	Tensile Strength loss shall not exceed 40%
ASTM D1149	No cracks shall be visible to the unaided eye

Surface Finish:

All neoprene surfaces shall be free from mold imperfections such as nicks, scratches, blisters or other discrepancies. Voids or craters not larger than 1/16 inch diameter X 1/16 inch deep will be permitted.

Lining Thickness:

The thickness of the lining at the bottom of the groove shall be not less than .25"

Adhesive Peel Strength ASTM D429

Method "B" pounds per inch	Material shall fail before bond
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