

ASTM TESTING TABLE OF CONTENTS

TEST	RESULTS	TEST PROCEDURE
Elongation at Break	>1,650%, maximum machine stroke reached.	ASTM D412
Tensile Strength at Break	Material did not fail. Maximum machine stroke reached.	ASTM D412
Recovery	90%	ASTM D412
Peel Strength	Material did not peel from substrate	ASTM 903
Puncture Resistance	No puncture at deflection. Maximum machine stroke reached.	ASTM E154
Low Temperature Elongation @ 22°F	>500%	ASTM D412-92
High Temperature Aging for 48 days @ 176°F	Elongation >300% min. No deterioration or failure.	ASTM D240
Service Temperature	-35° to 195°F. No deterioration or failure.	ASTM D412-92 ASTM D746
Water Absorption	Wt. Change 1.02% maximum.	ASTM D570
Water Vapor Transmission	0.08 grains/hr/ft ²	ASTM E96
Permeance	0.16 grains/hr/ft ² /in Hg (perms)	ASTM E96
Resistance to Hydrostatic Head	150psi Head water, no leak observed.	Calders Testers Hydro Stand 10-30K
Ozone Exposure (41 days @ 100 ppm maintained @ 95° F)	Period equivalent to 14 yrs. Exposure in outdoors ambient environment. No deterioration or failure.	ASTM G19 ASTM D756
Salt Fog Exposure (@ 95°F for 1,000 hours)	No deterioration or failure.	ASTM B117-90
Cathodic Disbondment	No disbondment	ASTM G8
Class A Fire Rating ½":12 slope	Passed	ASTM E108-94
Ultraviolet Light Exposure	Period equivalent to 45 yrs. Exposure in outdoor ambient environment. No deterioration or failure. Test still in progress	ASTM G26
Accelerated Aging Test	Period equivalent to 45 yrs. Exposure in outdoors ambient environment. No deterioration or failure. Test still in progress.	ASTM D573 ASTM D412
Noise Reduction	98% @ 205 mils	ASTM E1007 ASTM E492