



ROOFGUARD

ASTM D6083-97a Test Comparisons

TEST	ASTM TEST #	ASTM CRITERIA	75I	M				
SOLAR REFLECTIVITY	ASTM C1549	70%	86%	87%				
THERMAL EMMITTANCE	ASTM C1371	0.75	0.90	0.90				
FLAMMABILITY	ASTM E108	CLASS A	CLASS A	Class A				
VISCOSITY	ASTM D2196	12,000-85,000 cpu	26,000 cpu	122 KU				
VOLUME SOLIDS	ASTM D2697	Greater than 50%	59.28%	51.20%	115.78%	More solids		
WEIGHT SOLIDS	ASTM D1644	Greater than 60%	71.97%	68.40%				
ELONGATION	ASTM D2370	100% minimum	330%	105%	314.29%	More Flexible		
TENSILE STRENGTH	ASTM D2370	200 psi minimum	301 psi	288 psi	104.51%	Stronger		
PERMEANCE	ASTM D1653	50 perms maximum	5.1 perms	38 perms	760.00%	Less likely to allow water to pass through		
WATER SWELLING	ASTM D471	20% maximum	8.30%	10%	120.48%	Less Water Swelling		
ACCELERATED WEATHERING	ASTM D4798	no cracking or checking	Pass	?				
ADHESION	ASTM D903	2.0 pli-wet minimum	9.6 pli-wet*	6.3 pli-wet*	152.38%	Stronger Adhesion		
FUNGI RESISTANCE	ASTM G21	ZERO RATING	ZERO RATING	?				
TEAR RESISTANCE	ASTM D624	greater than 60 lbf/in	73 lbf/in	66 lbf/in	110.61%	Stronger against tearing		
1,000 HOURS ACCEL. LOW TEMP. FLEXIBILITY	ASTM 522	Pass 1/2" mandrel bend @ -15 degrees F	Pass 1/2" mandrel bend @ -15 degrees F	Pass 1" mandrel bend ASTM C138				
Mils per gallon per 100 sq ft			9 mils/gal (Top and Base)	9 mils/gal (not clear base)				