



Ultimate RB Mat Typical Properties

Produced in McMinnville, OR

MATERIAL	SBR bonded granular black recycled rubber and polymer binding agents		
THICKNESS / WEIGHT (Nominal)	3/4" (3.8 lbs./sq. ft.) 1/2" (2.7 lbs./sq. ft.) 3/8" (2.0 lbs./sq. ft.)		
APPEARANCE	Flat One Side Anti-Skid, Wire mesh texture surface on opposite side Both Sides Non-Porous		
COLOR	Black, Natural (with white flec), or Black with flecks of colored EPDM rubber		
DENSITY	ASTM D 3676	60 LBS/FT ³	
TENSILE STRENGTH	ASTM D 412	Minimum 300 psi	
ULTIMATE ELONGATION	ASTM D 412 on 1/8"	83 % minimum	
HARDNESS	ASTM D 2240	Shore A 60 + / - 5	
COEFFICIENT OF FRICTION	ASTM D1894	0.960	
FLAMMABILITY	Passes Federal Flammability Standard Doc FF 1-70 CPSC		
FLAME SPREAD	(UL 94 Standard, Horizontal Burning Test for Classifying Material 94HB)	0.495"/MIN on 3/4" thick mat	
DIMENSIONAL STABILITY	+0.242% at two hours @ 60°C -0.092% at 48 hours @ 20°C & 65% Rel Humidity		
CRITICAL RADIANT FLUX	ASTM E648-94a	0.11 watts/sq. cm	
THERMAL RESISTANCE	R-Value	1/4" : 0.18 3/8" 0.36	1/2" 0.27 3/4" 0.54
THERMAL RESISTIVITY	.72 (all thicknesses)		
THERMAL CONDUCTANCE	1/4" : 5.55 3/8" 2.78	1/2" 3.70 3/4" 1.85	
THERMAL CONDUCTIVITY	K-Value	1.39 (all thicknesses)	
TEAR RESISTANCE (ppi)	ASTM D624	150	
COMPRESSION & RECOVERY	ASTM D575	Immediate 98.1% After 24 hours 99.2% After 48 hours 99.4% After 72 hours 99.7% After 96 hours 99.7%	
ACCELERATED WEATHERING Carbon Arc Weatherometer	Fed-Std-191 Method 5804 except with filters removed for the test	Unexposed Tensile, psi 344 Elongation, % 70	Full Exposure 499 145

All testing is conducted by esteemed testing institutions. Copies of actual testing reports from these institutions are available by request.