

Rubber Gym Flooring: Specifications

COMPOSITION:	Recycled Rubber – 97% Urethane Binders- 3%	
THICKNESS / WEIGHT: (Nominal)	3/4" (4.0 lbs./sq. ft.) 1/2" (3.0 lbs./sq. ft.) 3/8" (2.0 to 2.2 lbs./sq. ft.) 1/4" (1.6 lbs./sq. ft.)	
SURFACES	Flat One Side Wire Mesh Texture, Anti-Skid Surface on opposite side Both Sides Non-Porous	
COLOR:	Black or Black with flecks of colored EPDM rubber	
TENSILE STRENGTH:	350 psi	
HARDNESS:	60-64 Shore A	
FLAMMABILITY:	Passes Federal Flammability Standard Doc FF 1-70 CPSC	
DIMENSIONAL STABILITY:	+0.242% at two hours @ 60°C -0.092% at 48 hours @ 20°C & 65% Rel. Humidity	
ULTIMATE ELONGATION:	ASTM D412 on 1/8"	83 %
FLAME SPREAD:	(UL 94 Standard, Horizontal Burning Test for Classifying Material 94HB)	0.495"/MIN on 3/4" thick mat
CRITICAL RADIANT FLUX:	ASTM E648-94a	0.11 watts/sq. cm
ELECTRICAL RESISTANCE:	ASTM D991	1.6 x 10 ⁹ megohms average 5.6 x 10 ⁸ megohms average
ELECTROSTATIC PROPENSITY:	AATCC Test Method 134-1991	NEG 0.9 KV Maximum Voltage
THERMAL RESISTANCE:	R-Value	1/4": 0.18 1/2": 0.27 3/8": 0.36 3/4": 0.54
THERMAL RESISTIVITY:	0.72 (all thicknesses)	

THERMAL CONDUCTANCE:	1/4": 5.55 1/2": 3.70 3/8": 2.78 3/4": 1.85								
THERMAL CONDUCTIVITY:	K-Value	1.39 (<i>all thicknesses</i>)							
TEAR RESISTANCE (ppi):	ASTM D624	150							
COEFFICIENT OF FRICTION:	ASTM D1894	0.96							
DENSITY (lb/ft³):	ASTM D3676	64.6							
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 Arch Weather-ometer	Fed-Std-191 Method 5804 except with filters removed for the test	Tensile, psi Elongation, %	<table border="1"> <thead> <tr> <th><u>Unexposed</u></th> <th><u>Full Exposure</u></th> </tr> </thead> <tbody> <tr> <td>499</td> <td>344</td> </tr> <tr> <td>145</td> <td>70</td> </tr> </tbody> </table>	<u>Unexposed</u>	<u>Full Exposure</u>	499	344	145	70
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All testing is conducted off site by esteemed independent testing institutions. Copies of actual testing reports from these institutions are available by request.