



sales@fitnessfloors.com

800-428-5306

Eclipse™ Equipment Mat Specifications

Material	Thermoplastic rubber with recycled content
Warranty	1 year against manufacturer's defects
Mat size	3' wide by any length specified X 0.180"
Mat weight	1.02 lbs./sf; 12.24 ozs./sf
Specific Gravity (ASTM D792)	1.061
Hardness (ASTM D2240)	65 – Shore A
Tensile Strength (ASTM D412)	Machine direction – 620 psi
	Transverse direction – 780 psi
100% modulus (ASTM D412)	Machine direction – 450 psi
	Transverse direction – 390 psi
Elongation (ASTM D412)	Machine direction – 220%
	Transverse direction – 290%
Flexural modulus (ASTM D790)	2520 psi
Flexural Strength (ASTM D790)	120 psi
Tear Strength (ASTM 624)	Machine direction - 168 lbs/in
	Transverse direction – 187 lbs/in
Fluid Resistance (ASTM D471)	70 hours at 75-80 degrees F:
Alcohol	Excellent
Anti-Freeze	Good
Diesel Fuel	Poor
Gasoline	Very poor
Grease	Good
Hydraulic Oil	Fair
Kerosene	Very Poor
Motor Oil	Fair
Water-Distilled	Excellent
Water-Salt	Good
Vegetable Oil	Fair