



ROYAL MAT

Product Specifications Sheet

T112/T112N

Recycled Rubber Mat

PRODUCT SPECIFICATIONS

Colour	Black
Width	1,22m (48'') +/- 1,25cm (1/2'')
Length	1,83m (72'') +/- 2,00cm (3/4'')
Thickness	1,2cm (1/2'')
Expansion	8,3 x 10 ⁻⁵ in/°F
Manufacturing process	Pressure mould with continuous baking in monolayer
Composition	98% recycled rubber from used tires, 2% sulphur
Top surface	Beehive pattern
Bottom surface	Longitudinal grooves 6mm wide, 3mm deep, spaced 19mm (1/4'' x 1/8'', spaced 3/4'')

TEST RESULTS

<u>Tests</u>	<u>Standard</u>	<u>Results</u>
Hardness	ASTM D-2240	+/- 70 Shore A
Traction resistance	ASTM D-412	777 PSI
Elongation at break	ASTM D-412	≥75%
Tensile strength at break	ASTM D-412	≥300 PSI
Tear resistance	ASTM D-624	≥100 PSI
Abrasion resistance (tobacco)	ASTM D-3389	0,03mg/rev
Friction coefficient	ASTM D-1894	0.825
Thermal conductivity	ASTM C-510	1.052 BTU
Thermal resistance (R-Value)	ASTM C-518	TBD
Impact insulation class (IIC)	ASTM E-492 or ASTM E-2179-01	TBD
Robinson test	ASTM 627	TBD
Chemical resistance	Strong mineral acid	Good
	Oxidizing Acid (concentrated)	Weak
	Strong alkaline base	Good
	Hydrocarbon aliphatic	Average
	Petroleum oils	Good
Volatile loss	ASTM D-5747-2008 §11.3	0.3%
Density of smoke (flaming)	ASTM E-662-09	26,1% CV
Density of smoke (non-flaming)	ASTM E-662-09	7.7% CV
Radiant flux (flammability)	ASTM E-648-10	700mm/30min
UV discoloration	ASTM G-154	TBD