



ROYAL MAT
inc

Product Specifications Sheet

T158BR/T158BRN

Recycled Rubber Mat

PRODUCT SPECIFICATIONS

Colour	Black
Width	1,21m (47,75'') +/- 1,3cm (1/2'')
Length	1,82m (71,5'') +/- 1,9cm (3/4'')
Thickness	1,56 cm (5/8'') +/- 0,15 cm
Weight	36 kg (79 lbs) +/- 1 kg (2 lbs)
Expansion	8,3 x 10 ⁻⁵ in/°F
Manufacturing process	Pressure moulded
Composition	96-99% recycled rubber from used tires
Top surface	Diamond plate or beehive pattern
Bottom surface	Diagonal grooves 4mm wide, 4-6mm deep, spaced 8mm (3/16'' x 1/4'', spaced 5/16'')

TEST RESULTS

<u>Tests</u>	<u>Standard</u>	<u>Results</u>
Hardness	ASTM D-2240	70 +/- 5 Shore
Tensile strength at break	ASTM D-412	≥300 PSI
Elongation at break	ASTM D-412	≥75%
Tear resistance	ASTM D-624	≥100 PI
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