



ROYAL MAT
inc

Product Specifications Sheet

T134R+/T134N

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 | 1,9cm (3/4'') +/- 0,2 cm |
| Weight | 47 kg (103 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 | 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 +/- 5 Shore |
| Tensile strength at break | ASTM D-412 | ≥300 PSI |
| Elongation at break | ASTM D-412 | ≥75% |
| Tensile strength at break | ASTM D-412 | ≥300 PSI |
| 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 |