



Material Safety Data Sheet

Neutra-Phone™ SOUNDPROOFING PANELS

ROYAL MAT INC.
SOUNDPROOFING PANEL

Rubber Mat (floor covering)

Standard	Tests	Results Imperial	Results Metric
ASTM D-2240	Hardness, toughness (Shore A)	+/- 70 durometer Shore A	+/- 70
ASTM D-412	Resistance to Traction	777 PSI	0.55 kg/mm ²
ASTM D-412	Modules 100%	352 PSI	0.25 kg/mm ²
ASTM D-412	Tensile strength (max.)	160%	160%
ASTM D-624	Tear resistance	111 pounds/inch	19.9 kg
ASTM D-3389	Abrasion resistance (tobacco)	0.41 mgr/k	0.41 mgr/k
ASTM-D-1894	Friction coefficient	0.825	0.825
ASTM D-1777 and CSA-A126, 10	Resistance to penetration Initial / residual	28% / 10%	28% / 10%
ASTM C-518	Thermic conductivity	1.052 BTU	4.3x10 ³ cal/cm-sec
ASTM E-336-84, E-413-87		Rating for airborne noise transmission	
ASTM E-989-89, E1007-89		Rating for impact noise insulation	
ISO 140	Acoustic insulation measure		
Chemical resistance	Strong mineral acid	Good	Good
CRC	Oxidizing acid (concentrated)	Weak	Weak
	Strong alkaline base	Good	Good
	Hydrocarbon aliphatic	Average	Average
	Petroleum oils	Good	Good
	Linear thermal expansion	12.5 x 10 in. /	17.6 x 10cm/
	Width	4 feet	1.219 m
	Length	6 feet	1.829 m
	Thickness	Ω in.	13mm
	Weight	2.5 lbs / in.	12.23 kg/m
Material	Recycled rubber crumbs (tires)	Products	Min. Max.
		Acetone extracts	10.0% 19.0%
		Ash content	8.0%
		Black carbon content	28.0% 39.0%
		Moisture content	0.75%
	Rubber	Hydrocarbon	42.0%
		Material (cotton, polyester)	0.75%
		Metal	0.02%
		Sulphur	2.0% 5.0%
		Bulk density	10 gm / 210c
Color	Black		
Manufacturing process	Pressure mould with continuous baking in monolayer		

Models

Because these products are made of recycled rubber crumbs originating from different sources, slight dimensional variations may occur in the finished product. These soundproofing panels are intended to be used as a floor substrate and should not be altered for other uses.

Warranty

Our panels are guaranteed against premature wear or manufacturing defects for a period of three (3) years.