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Technical Data

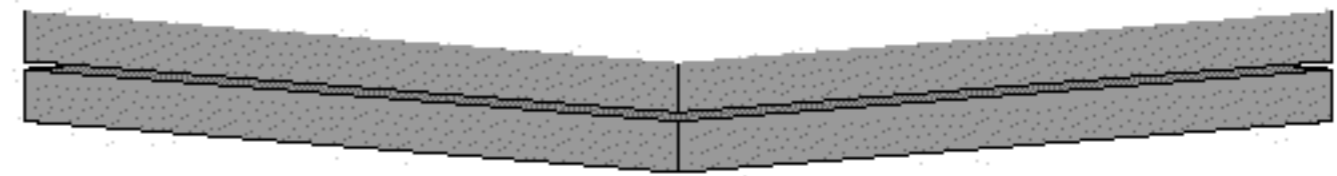
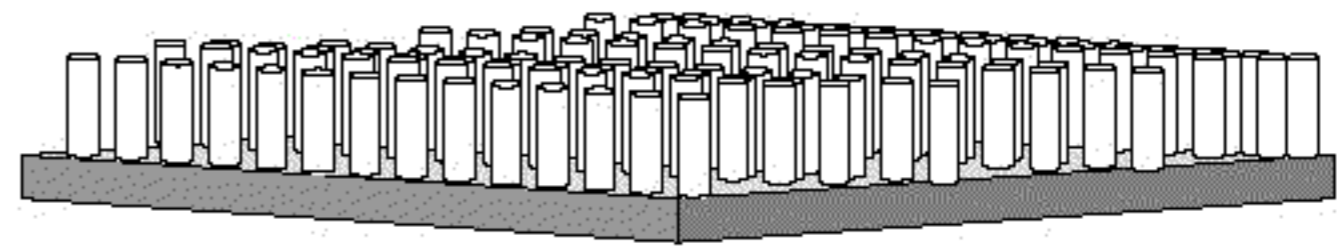
DONGSHIN RAL -----thin, double layers, broadband, rubber/foam absorbers

Characteristics

- ◆ **basic composition:**
different combination of magnetically loaded neoprene rubber and electrically loaded foam
- ◆ **feature:**
thin, performance over broad band
- ◆ **retardancy:**
rubber non flammable and foam meets NRL report 8093 I, II, III
- ◆ **working temperature:**
For whole rubber
-50°C ~ + 100°C or -85°F ~ 212°F
for combination of rubber and foam
-50°C ~ + 80°C or -85°F ~ 176°F

Availability:

- ◆ **grades and thickness**
presently three standard thicknesses
2.5mm whole rubber sheet
5mm rubber sheet and rubber cylinder
10mm rubber sheet with foam sheet
- ◆ **size**
Standard size is 200mm X 200mm per sheet. Specific sizes by customers' request



- ◆ **Color**
dark gray
- ◆ **Frequency and bandwidth**
Performance over 2G to 18GHz.
Specific working band by request, as low as 1GHz
- ◆ **Naming**
RAL-xxxxGHz-XX
xxxx: frequency range
XX: combination type, include:
RR: whole rubber sheet
RC: cylinder rubber
RF: rubber and foam sheet



Performance

- ◆ Compared to SAL type, RAL has a thinner thickness in price of lower absorption.
- ◆ Compared to RAT type, RAL has more broader frequency range.

Grade	Thickness mm	Weight Kg/sqm	Working frequency GHz	Reflectivity at normal	
				Worst -dB	average -dB
RAL-2~18GHz-RR	2.5	11	2~18	5	6
RAL-2~18GHz-RC	5	13	2~18	8	12
RAL-2~18GHz-RF	10	10	2~18	8	12

- ◆ rubber + rubber sheet thinnest one among those grades and relatively the lowest absorption over the frequency range. And rubber + foam sheet has the best absorption as well as the thickest. Rubber sheet + cylinder is the compromise one. All this model will thinner than FAL for the same band.

Applications

- ◆ RAT is a good supplement of RAT and SAT where thickness is limited and broadband is needed.

Method of installation

Refer to the installation of RAT and SAT

This information is offered just for the reference of the customers who must make the final judgement of suitability for any application