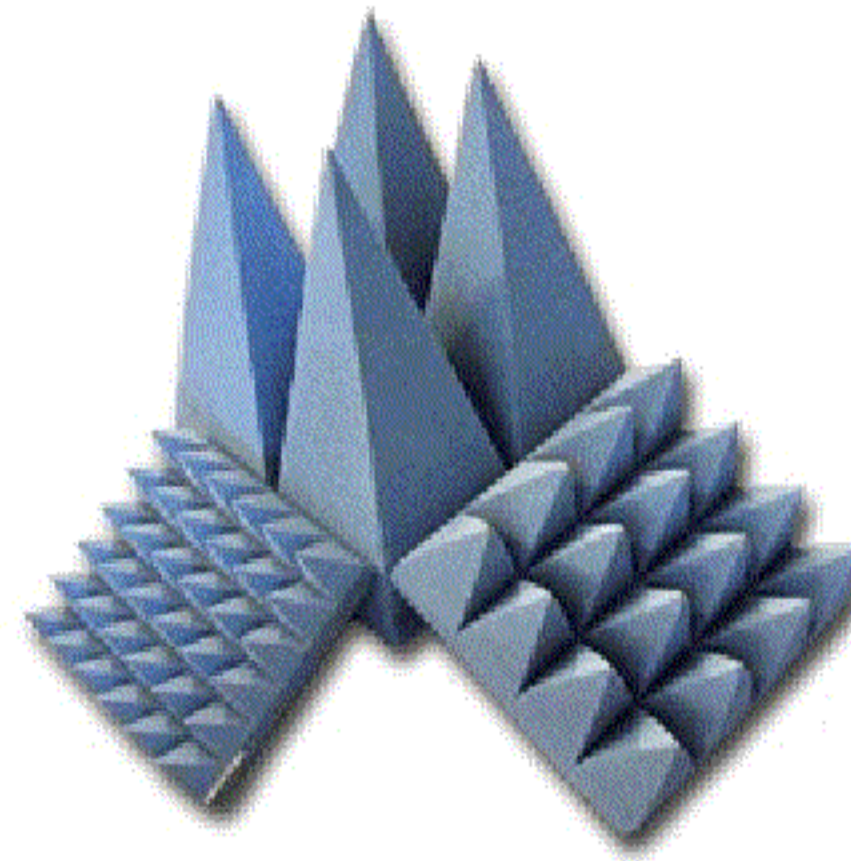


## Technical Data

**DONGSHIN SL** ----- broadband, carbon filled, pyramidal foam absorber

### Characteristics

- ◆ **basic composition:**  
carbon and retardant chemicals loaded polyurethane foam in pyramids
- ◆ **feature:**  
variable thickness, broadband, flexible, good performance over wide frequency
- ◆ **retardancy:**  
NRL8093 tests 1, 2, and 3
- ◆ **working temperature:**  
-50°C ~ + 80°C or -85°F ~ 176°F

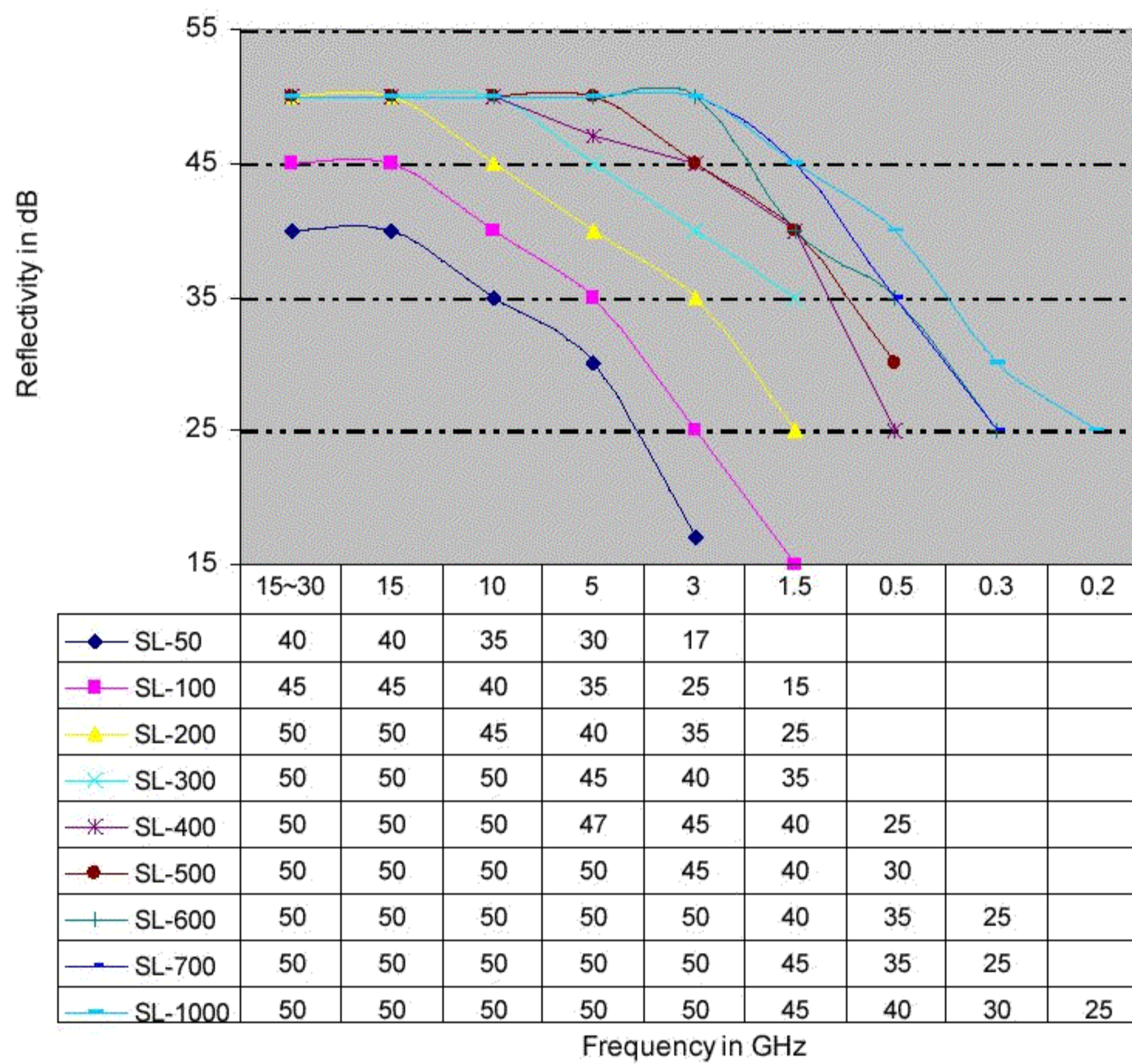


### Availability:

- ◆ **thickness**  
Standard thicknesses are 50mm, 100mm, 200mm, 300mm, 400mm, 500mm, 600mm, 700mm and 1000mm
- ◆ **base size**  
333mmX333mm for SL-1000, 250mmX500mm for SL-700, 400mmX400mm for SL-600, others 500mmX500mm
- ◆ **Color**  
standard light blue, other colors available by request.
- ◆ **Grade**  
SL-50, SL-100, SL-200, SL-300, SL-400, SL-500, SL-600, SL-700 and SL-1000

### Physical and Electrical Property:

Grade	Height mm	Base Ht. mm	Weight Kg/sqm	Sheet size mmXmm	Tips units	Sheets per sqm
SL-50	50	20	2.3	500X500	20X20	4
SL-100	100	30	3.8	500X500	12X12	4
SL-200	200	40	7.2	500X500	7X7	4
SL-300	300	50	11	500X500	5X5	4
SL-400	400	60	14	500X500	4X4	4
SL-500	500	75	18	500X500	3X3	4
SL-600	600	90	22	400X400	2X2	6.25
SL-700	700	100	25	250X500	1X2	8
SL-1000	1000	150	36	334X334	1X1	9



### TYPICAL REFLECTIVITY AT NORMAL INCIDENCE

For off-normal incidence, there is little change with 30° angle and will get worse 10~15dB with 60° angle.

#### Applications:

- ◆ SL type provides premium performance over a very broad frequency range, hence is the most widely used in all kinds of anechoic chamber.
- ◆ low height of SL may be used for antenna, radar and test facilities to reduce the surface current and unwanted reflection, indoor use.



**Installations:**

◆ General neoprene contact adhesive is recommended for installation. Firstly, to draw grids according the base size of applied absorbers. Then adhesive is brushed on the substrate and wait till it dry to tack-free. Then to apply the adhesive to the back of SL and wait for a short while, finally press SL onto the substrate.

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

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