

SOLEMI[®]

ABSORBERS

SOLEMI ABSORBERS are an ultra broadband absorber which has been specially designed for microwave applications.

SOLEMI-S are based upon conventional tip pyramidal shape.

The process of manufacturing was optimized to ensure that impregnation of the dielectric loss material and the fire retardant chemicals are totally achieved.

The SOLEMI-S absorbers are recommended for Antennas and RCS anechoic chambers for the very high reflectivity at microwave frequencies. Also these pyramidal carbon loaded foam absorbers have excellent properties at normal incidence with low back scattering.

APPLICATIONS

- Radar Cross Section measurement (R.C.S)
- Antenna pattern measurement
- Telecom/wireless
- Satellite
- Automotive
- Military
- Aircraft

INSTALLATION

- IMOPRENE 107 Glue
- IMOFIX Velcro system

SPECIFICATIONS

Material Carbon loaded polyurethane foam

Standard Colour Blue (other on request)

Service temperature 120° C

Power handling 0,2W/cm²

Fire retardant standards NRL 8093, Tests 1,2 & 3 (USA)

Base dimensions 610 x 610 mm

Using Indoor

Type	Total Height (mm)	Pyramid Height (mm)	Base height (mm)	Number of tips per piece	Nominal weight (kg)
SOLEMI® S8	90	77	13	256	0,86
SOLEMI® S10	115	90	25	256	0.90
SOLEMI® S20	200	160	40	81	1.60
SOLEMI® S30	300	250	50	36	2.30
SOLEMI® S40	455	380	75	16	3.40
SOLEMI® S60	660	560	100	9	4.80
SOLEMI® S90	914	764	150	4	6.50
SOLEMI® S115	1150	950	200	4	8.30

Type	Frequency in GHz										
	0.08	0.10	0.30	0.50	1.0	3.0	6.0	10	18	24	40
SOLEMI® S8						27	33	39	45	50	50
SOLEMI® S10						30	36	42	50	50	50
SOLEMI® S20					30	38	45	50	50	50	50
SOLEMI® S30				25	35	40	45	50	50	50	50
SOLEMI® S40				30	38	42	47	50	50	50	50
SOLEMI® S60	7	11	25	35	40	45	50	50	50	50	50
SOLEMI® S90	9	15	30	37	42	50	50	50	50	50	50
SOLEMI® S115	12	18	35	40	45	50	50	50	50	50	50