

PU FOAM BASED ANTENNA SHROUD MICROWAVE ABSORBERS (MICROWAVE ABSORBENT MATERIAL – FLAT ABSORBER SHEET)

Sec. 1												
1.5					中					-94	*	
P2 1						-		樂				
1013					- *				195	-		
1 - F						-				*	-	
			SRE		-		-	-				
									鬱			
10 B	和	1					-		20	赖		
19 . St.	-											
									10			
						- alt			5. CH			
				dit								
								The second				

FEATURES:

- Semi Open PU Foam based broadband type Embedded pyramidal microwave absorbers.
- Specially formulated coatings for better ageing Characteristics.
- Light weight, flexible and easy to cut.
- Polyurethane foam sheet dipped in absorbing Slurry providing desired electrical grading.
- Standard size is 600 mm X 600 mm. Custom Tailored sizes can also be supplied.
- Thicknesses are 45mm, 30mm, 25mm, 15mm,10mm and 5mm (FAS-45, FAS-30, FAS-25, FAS-15, FAS-10 and FAS-5) Larger thickness can be produced to suit low frequency applications.
- Colored surface should face the incident radiation.
- The back surface (black) should be close to the metallic surface to achieve best performance.
- Provides better wider angle performance than multilayer flat absorber.

Sahajanand Laser Technology Ltd.

E-30, Electronic Estate, G.I.D.C., Sector - 26, Gandhinagar - 382 028, Gujarat, India. www.**SLTmicrowave**.com | microwave@**SLTL**.in | +91-9099071094



REFLECTIVITY:

Frequency Range (GHz)	Minimum Reflection Loss (dB) At near normal incidence With respect to metal plate of same size										
	FAS-45	FAS-30	FAS-25	FAS-15	FAS-10	FAS-5					
6.0-9.0	-20	-16	-15	-	-	-					
9.0-12.0	-20	-20	-20	-	-	-					
12.0-18.0	-20	-20	-20	-16	-15	-					
18.0-26.0	-20	-20 -20		-16	-16	-16					
26.0-40.0	-20	-20	-20	-16	-16	-16					

AREAS OF APPLICATION:

- Used for isolation of adjacent antennas such as parabolic dish and horn antennas and array Elements.
- Mainly used to line the interior walls of shrouds on antenna dishes in order to suppress Side/back lobes in shadow region.
- Various camouflaging and interference suppression applications.
- Used for Low performance Anechoic Chambers in non critical areas.

MATERIAL PROPERTIES:

- Ozone resistant.
- RoHS Compliant.
- Front Surface Color is Blue.
- Regains its absorbing property after drying.

Sahajanand Laser Technology Ltd.

GLOBAL PRESENCE





UT ١G DEFENCE & AEROSPACE Scribing / Dicing MICRO MACHINING Automations

RF & Microwave Medical Devices Hi-Tech Software Diamond Processing Renewable Energy Cleaning

SLTL'S STRENGTH





CE An ISO 9001:2015 Certified Company

Sahajanand Laser Technology Ltd. (SLTL Group)

E-30, Electronic Estate, G.I.D.C., Sector - 26, Gandhinagar - 382 028, Gujarat, India. Tel : +91-79-6170-1616 | Fax : +91-79-2328-7470

+91-90-9907-1094 | microwave@SLTL.in



Scan to Visit www.SLTmicrowave.com