Flat Multilayer Broadband Absorber JVMBF226

JVMBF absorber product line is a complete range of high Performance Microwave Absorbers available in wide range of thickness and absorbencies. Variety of thickness gives the designer the opportunity to choose grades appropriate for specific frequencies and incidence angles by using low density, flexible foam, impregnated with a carbon formulation to achieve the desired electrical performance. The structure gives it the geometrical matching and the carbon dispersed gives the attenuation required. Provides Engineers with the building blocks needed in the design and construction of RF absorbing surface used in Antenna Assemblies and Microwave Measuring facilities, RF Shielded Enclosures, Absorbing the unwanted Signal or RF energy for multiple purpose.

Features:

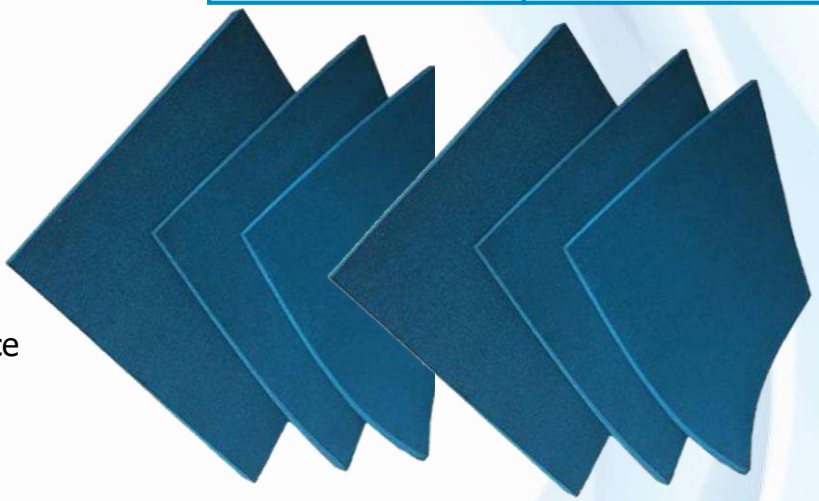
1. High Attenuation upto -20dB.
2. ROHS compliance for human safety.
3. Fire retardant finish as per NRL 8093 Sl.No.1,2 and 3
4. Long product life up to 15 years
5. Reflectivity Tested as per NRL ARCH Method IEEE 1128 1998.
6. Power handling capacity is 1.5 Kw/Square meter.
7. Absorbers are pasted by using compatible Neoprene Adhesive / velcro fixing / as per users request.

Specification:

Paramet	Specific Value
Model No.	JVMBF226
Thickness (mm)	10mm-110mm
Size (L x W)	610mm x 610mm
Density (kg/m²)	28 ± 2
Tensile strength	>=1.5
Elongation (%)	>=350
Frequency	500 MHz-110
Reflectivity	>=-20 dB

Application:

1. Antenna shrouds for low side-lobe reflector Antennas.
2. Isolation of adjacent antennas and array elements
3. Available in other sizes and customized configurations
4. Various camouflaging and RF interference suppression applications
5. RCS Reduction
6. Back lobes & side lobes reduction etc.



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Multilayer High Power Broadband Microwave 500MHz-110 GHz

Typical Reflectivity for JVMBF226HP Results will vary depending on its thickness and layers.

Features:

1. Lightweight, Flexible, Flat - Sheet Multilayer-Broadband absorber
2. Reticulated (open-cell) polyurethane foam sheet with a controlled conductivity gradient carbon loading system.
3. Electrically Conductive
4. Frequency Range from 500MHz-110 GHz
5. Power Handling 3Kw/square meter
6. NRL 8093, Sl. No. 1,2,3 Complied
7. Tested as per IEEE 1128-1998

Applications:

1. Antenna shrouds for low side-lobe reflector Antennas.
2. Isolation of adjacent antennas and array elements
3. High Power Absorption.
4. Outdoor application (To be informed by user before placing order)

Specification:

Parameter	Specific Value
Model No.	JVMBF226HP
Thickness (mm)	10mm-110mm
Size (L x W)	610mm x 610mm
Density (kg/m²)	28 ± 2
Tensile strength	>=1.5
Elongation (%)	>=350
Frequency Range	500 MHz-110 GHz
Reflectivity	>=-20 dB

6. Available in other sizes and customized configurations.
7. Various camouflaging and RF interference suppression applications
8. RCS Reduction
9. Back lobes & side lobes reduction etc.

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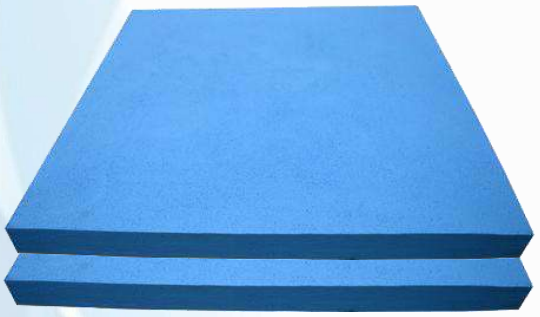
Weatherproof Multilayer Broadband Absorbers (500MHz-110 GHz) JVMBF0825WP

JV Micronics manufactures Light Weight, Flexible Multilayer Absorber for the Antenna and RADAR application.

Features:



1) Flexible, Lightweight flat Sheet Multilayer Broadband Absorber
2) Open Cell PU foam impregnated by Carbon solution.
3) Frequency Range 500 MHz - 110 GHz
4) Electrically Conductive
5) NRL 8093 test 1, 2 &3 complied for Fire Retardancy.
6) Power handling up to 1.5Kw/Square meter
7) Tested as per IEEE 1128-1998 Standards

Applications:

1. Antenna shrouds for low side-lobe reflector Antennas Isolation of adjacent antennas and array elements
2. Various camouflaging and interference suppression Applications
3. Reduce Coupling Effect between Antennas
4. Outdoor & cleanroom usage.

Specification:

Parameter	Specific Value
Model No.	JVMBF0825WP
Thickness (mm)	10mm-110mm
Size (L x W)	610mm x 610mm
Density (kg/m²)	36 + 1
Tensile strength	>=1.5
Elongation (%)	>=350
Frequency Range	500 MHz-110 GHz
Reflectivity	>=-20 dB

Instruction for Use:

1. The front surface should face the incident electromagnetic energy for proper performance to decipher from front and back, the back side of each panel is marked.

2. Absorber should be bonded to a metal surface for optional performance. Surface to be bonded with metal is painted yellow.

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