

## VieTape AF5103D

### DOUBLE -SIDED TAPE

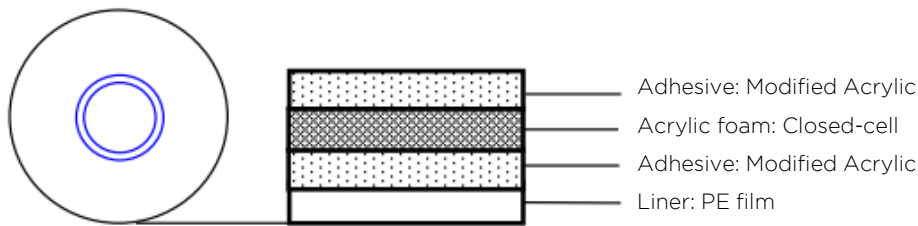
#### DESCRIPTION

AF5103D is a double-sided acrylic foam tape in gray color with high initial. Many different metals, plastics, and painted materials are among the many substrates that AF5103D can adhere to. It is suitable for stiffeners used on equipment enclosures, metal cabinets, appliances, signage, etc.

#### APPLICATION

This product is used for bonding and sealing, which creates excellent seal against water, moisture, etc. It is a fast and convenient permanent bonding method that provides high strength, and long-term durability.

#### STRUCTURE



#### FEATURE

Item	Parameter
Color	Gray
Tape thickness	1.1 mm
Thickness tolerance	± 10%
Adhesive type	Modified Acrylic
Foam type	Acrylic foam (closed-cell)
Density	0.70 g/cm <sup>3</sup>



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#### TYPICAL PERFORMANCE PROPERTIES

Properties	Value	Method
90° Peel Adhesion	300 N/100 mm (SUS) 300 N/100 mm (ABS)	ASTM D3330
Tensile strength	450 kPa	ASTM D897
Static shear strength	750g at 23°C 500g at 70°C	ASTM D3654
Short term temperature resistance	110°C	
Long term temperature resistance	85°C	

#### DIRECTION OF USE

Temperatures between 21 and 38°C are ideal for application.

Our analysis indicates that AF5103D can be used in some applications at temperatures as low as 0 to 5°C. (Note: Depending on the substrate, different low-temperature operations are possible.)

For greater substrate contact, pressure-sensitive adhesives use viscous flow. Better adhesive contact is created by applying firm application pressure, which also strengthens the bond. For operation at low temperatures, this is particularly crucial.

The bonding surfaces must be thoroughly united, clean, and dry in order to achieve the best adhesion. Typical surface cleaning solvents are isopropyl alcohol/water mixture (rubbing alcohol) or heptane. Please take the appropriate precautions to handle solvents safely.

#### SHELF LIFE

24 months from date of manufacture when stored at 4 - 38°C (40 - 100°F) and 0 - 95% relative humidity.

The optimal storage conditions are 72°F (22°C) and 50% relative humidity.

The above values are sample observed values, we do not guarantee the actual performance due to the different of application method, bonding design, bonding substrate.. We highly recommend customer to test in the real part.

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