Technical Data Sheet

AF5107D

DOUBLE – SIDED FOAM TAPE

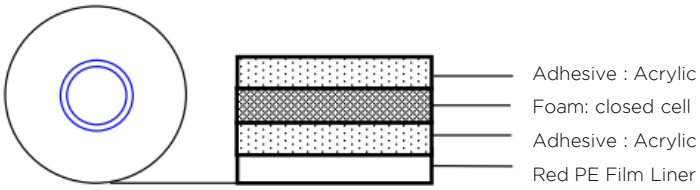
DESCRIPTION

AF5107D is a double-sided acrylic foam tape. The tape consists of a foam core coated on both sides with a high-strength acrylic adhesive. The foam core allows the tape to conform to irregular surfaces and fill gaps, while the adhesive provides a strong, durable bond that can withstand extreme temperatures, moisture, and UV radiation.

APPLICATION

- Automotive: Attaching exterior trim, emblems, and badges to vehicles.
- Construction: Bonding curtain walls, facades, and other building components.
- Electronics: Attaching LCD screens, circuit boards, and other components to electronic devices.
- Aerospace: Bonding exterior panels and structural components of aircraft.
- Medical: Bonding medical devices and components.

STRUCTURE



FEATURE

Item	Parameter
Tape thickness	1.0mm
Tolerance	±10%
Length	33m
Width	Optional
Adhesive type	Acrylic
Foam type	Acrylic foam (closed-cell)

Technical Data Sheet

AF5107D

DOUBLE – SIDED FOAM TAPE

TYPICAL PERFORMANCE PROPERTIES

Item	Parameter
Adhesion to steel, 72 hours	>50N/25mm
Long Term Temperature resistance	90°C
Short Term Temperature resistance	120°C

DIRECTION OF USE

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

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

12 months from the date of purchase. The tape is stored in a constant temperature room of at 10 to 35°C with a humidity of 40 - 60% to avoid direct sunlight.

The optimal storage conditions are 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.