

## Scotch™ 1316/1317 Magnet Tape

Pressure-sensitive adhesive, high energy level magnetic material

- 16 oz/in<sup>2</sup> minimum holding force
- Easy application with pressure-sensitive adhesive backing
- Easily cut with scissors or knife
- Adheres and remains flexible at low temperatures
- Available in two thicknesses and in widths from 1/4 in. to 23 in. (6,3 mm to 584 mm)

Scotch™ Magnet Tape is a flexible, polymer-bonded product coated on one side with the pressure-sensitive adhesive. The magnetic material is made using a special process that orients barium ferrite crystals in the polymer binder during manufacture. This orientation process yields a magnet with excellent magnetic properties.

The high energy magnet tape is then permanently magnetized with multiple north and south poles along its length, providing a minimum holding force of 16 ounces per square inch.

The strong holding power of Scotch Magnet Tape allows its use in relatively narrow widths where it combines economy with exceptional performance capabilities.

Scotch Magnet Tape can be bent, twisted and flexed without loss of magnetic energy. The product conforms readily to irregular surfaces without cracking. It will not lose its magnetic strength when dropped or struck. Scotch Magnet Tape is, indeed, permanently magnetic.

### Self-sticking, pressure sensitive adhesive

Scotch Magnet Tape has a high-tack, pressure-sensitive adhesive layer on one side, protected by a peel-away backing. The adhesive will adhere to a wide variety of surfaces including most plastics, wood and metal. The nonadhesive side may be used to hold small ferrous objects such as small screw drivers and other tools. The product also saves time by holding small parts during assembly. Scotch Magnet Tape is a versatile holding material, which can be used effectively on both metal and nonmetal surfaces.

### Temperature resistance

Scotch Magnet Tape retains its flexibility even in cold weather. The product performs well, indoors or out, in hot or cold climates. Extensive testing in 3M Laboratories at temperatures ranging from -40°F to 160°F (-40°C to 71°C) has documented the broad range of capability of both the adhesive and the magnetic holding force.

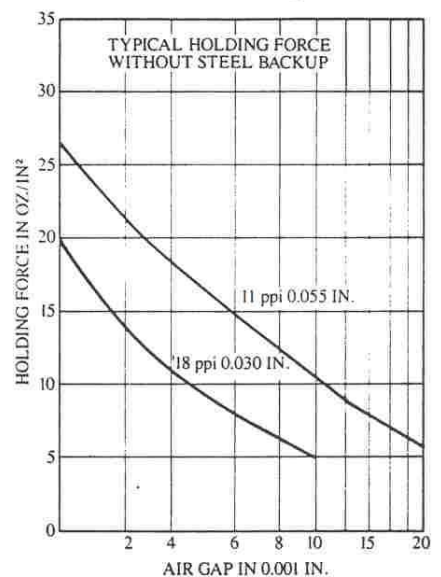
### Application

Scotch Magnet Tape is easily cut with a scissors or knife. Adhesive mounting surfaces should be free of dirt, grease, oil and solvent. Following placement, the magnet tape should be pressed down firmly with a roller.

### Clean, safe handling

The magnetic side of Scotch Magnet Tape is specially coated to ensure clean attachment. This coating also resists the external physical conditions that might otherwise result in adhesive bonding between magnet and application surface. Newly painted surfaces should be allowed adequate drying time before application of magnet tape.

### Typical holding force without steel backup\*



\*Steel used in magnetic circuit was SAE 1010-1020.