Nickel Foil Adhesive Tapes

Engineered tapes for demanding industrial applications

**General Description**
Extensively used in the heat treatment industry for masking specific areas of components during the early stages of thermal treatment processes.
Applications in aerospace, automotive, electronics, chemical, research, general engineering, plasma masking, high velocity oxy-fuel masking, thermal reflective barrier and EMI shielding.

**Product Construction**
The nickel foil is made by a continuous electro-deposition process, producing foil of consistent quality with a very high chemical purity free from elements which could interfere with heat treatment.
After annealing the foil, a high temperature, transparent, adhesive is applied to one side. A coated release liner protects the adhesive until ready for use.

**Usage**
The foil tape is flexible and easy to handle enabling it to conform to complex shapes and be wrapped closely around components.
Easily cut using normal scissors. The release liner peels freely to present the high performance adhesive.

**Standard Product**
Supply format is 25µm thick nickel foil with acrylic adhesive, in rolls of 50, 55, 60 or 65mm wide x approximately 33, 66 or 100m long.

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**Available Options**
- Other widths up to 245mm in rolls or cut length sheet form.
- Alternative adhesives include silicone, thermally or electrically conductive.
- Double sided construction which may be similar or dissimilar adhesive systems.
- Nickel foil in the thickness range of <8µm to >100µm.
- Foil in the hard (as electro-deposited) condition.

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**Nickel foil**
Typical chemical composition % w/w
- Nickel 99.97 min
- Carbon 0.005 max
- Manganese 0.005 max
- Sulphur 0.002 max
- Cobalt 0.005 max
- Chromium 0.005 max
- Copper 0.005 max
- Iron 0.005 max
- Magnesium 0.005 max
- Zinc 0.001 max