

# **DIRECTA**

## **ESSENTIALS FOR INDUSTRY**

Tel: 01621 828882      [www.directa.co.uk](http://www.directa.co.uk)

DIRECTA (UK) LTD

### TECHNICAL DATA SHEET:

PRODUCT: Our Reference 900,901,902 and 903 and other VELCRO® Brand products

ADHESIVE PROPERTIES AND PERFORMANCE : The VELCRO® Brand adhesives are synthetic rubber and resin systems designed to give good results on a wide range of substrates including Polythene and other plastics (excluding PVC and other plasticized materials), metals, glass, wood, etc. The adhesives have good resistance to exposure to water, salt, weak acids, 10% caustic soda solution and mineral oil. The adhesives are best suited to light- weight objects. Prolonged exposure to heavy loading or heat is not recommended. Exposure to UV radiation, direct sunlight and solvents should be avoided. Not suitable for laundering. The adhesive is a water based acrylic system designed to give good results on a wide range of substrates, metals, glass, wood etc. (excluding Polyethylene and other non-polar materials). The adhesive has good resistance to exposure to oxidation, salt plasticizers, non-polar solvents and mineral oil.

Operating temperature range: -30° to 120°C

MATERIAL COMPOSITION: 100% Nylon with pressure sensitive adhesive backcoating.

WIDTH: 10, 15, 20, 25, 50MM. Other sizes available.

COLOURS AVAILABLE: Black, Natural, White, other colours on request.

PACKAGING: VELCRO® Brand Hook and Loop tapes sold separate on 25M rolls.

### PROPERTIES:

Peel Adhesion			
After 20 Minutes	55N/cm	10N/cm	20N/cm
After 24 Hours	70N/cm	20N/cm	40N/cm
Static Shear	>200hours	low	>200hours
Dynamic Shear Strength	1000N/25mm	200N/25mm	500N/25mm
Loop Tack	40N/25cm	20N/25cm	50N/25cm

Shelf Life: 12 Months

FOR N/A PROPERTIES DIFFERENT FROM THOSE LISTED UNDER S/A:

Widths Available: 15,20,25,30,38,50 and 100mm  
Colours Available: 10 stock shades, special colours are also available.  
Peel Strength: BS7271:1990, Initially-1.30N/cm, After 5000 Cycles-0.7N/cm  
Peel Adhesion: After 20mins 35N/cm - After 24hours 45N/cm  
Static Shear: >200 hours  
Dynamic Shear Strength: 400 N/25mm  
Loop Tack: 40 N/25cm.

TYPICAL APPLICATIONS:

- Home Furnishing: Blind rails/valances.
- Stationery: Document folders/sample books/presentation folders.
- Automotive: Carpets/trim panel etc.
- Transport: Caravans/boats/trains/buses. Window trims/furnishings etc.
- Display: Visual aids/advertising/promotional.

STORAGE:

The product should be stored in a clean, dry, dark ventilated storage area at a temperature around 20oC. The surface to be bonded to must be clean, dry and free from dust, grease and moisture. Bonding should be carried out between 15o and 30oC.

Except where indicated otherwise, the above figures are average values and should not be regarded as maximum or minimum values for specification purposes. The company reserve the right to improve products and change specifications which may alter performance. We advise the customer to test the material required to ensure the suitability of intended application.