S1081 - Self-Amalgamating Harness Tape

Introduction

S1081 is a modified, self-amalgamating, non-flame retarded, polyolefin based harness tape. It has a continuous operating temperature of -80°C to +130°C and a self-amalgamating temperature of +120°C.

Colour:	Black
Dimensions:	Width: 20mm nominal Thickness: 0.64mm nominal
Packaging:	10mtr roll interleaved with release paper
Specification:	RK6019

Typical Applications

S1081 is used as a protective wrap on damaged cables and irregular shapes where it is not practical to install a heat shrinkable moulded part or tubing. When heated in excess of 120°C, the tape shrinks lengthways and self-amalgamates, forming a tightly fitting, continuous cover.

Installation Guidelines

Tightly wrap the S1081 around the substrate using a 50% overlap. The free end of the tape may be secured by "tacking" with a soldering iron or hot air gun. The entire taped area should then be heated in excess of 120°C using a hot air gun, alternatively placed in an oven at 120°C for 15 minutes. This will cause the tape to amalgamate.

When used with cable jacketed in Raychem's DR-25, NT or RNF-100 tubings, S1081 will also bond to the substrate to give a total seal. For other substrates, we recommend that a brief adhesion test is carried out prior to installation. When necessary, S1030 Adhesive Tape may be placed at each end, under the layer of S1081, in order to seal more effectively.

S1030 - Hot Melt Adhesive Tape

Introduction

This is a non-flame retarded hot melt black adhesive tape which is based on EVA/polyamide polymers. The tape is often pre-applied to moulded shapes and the pre-coat designation is /180. It has an operating temperature of -80°C to +80°C. This product is recommended for high flexibility at low temperatures.

Colour:	Black	Dimensions:	Width: 20mm Thickness: 0.3mm
Packaging:	10mtr roll	Specification:	RK6017

Typical Applications

S1030 tape is recommended for marine applications where salt water is a threat. The adhesive is very user-friendly in that it exhibits excellent flow extremely quickly when heated under normal installation conditions. Not recommended where aggressive solvents may be present. Also not recommended for terminations under in-service flexural stress at temperatures above 40°C. S1030 exhibits good adhesion to a wide range of substrates and has become the recommended hot melt adhesive for System 100, i.e., Zerohal tubing and cable jackets, -100 moulded shapes. Recommended with –25 moulded shapes, DR25 tubings, FDR cable jackets, RNF, RW-175, Polyurethane materials. Can be used as a repair adhesive in conjunction with RP-4800 tubing and also with S1081 harness repair tape.

Installation Guidelines

Prepare surfaces to be bonded by abrading the substrate using 100 Grit Abrasive cloth. Cut required amount of adhesive tape and position as required. Apply a small amount of heat to secure adhesive tape in place. As a general guide, two wraps of adhesive tape should be applied. When using adhesive tape with a Raychem Adaptor, the knurled area and the recess lip, should both be applied with the adhesive tape. When second surface to be bonded is heated and recovered, post heat all bonds for at least 60 seconds. As a general guide the CV 1981 Heat Gun should be on setting 7 with a PR26 or PR51 Reflector fitted. Allow bonds to cool before flexing.

S1048 - Adhesive Tape

Introduction

S1048 is a hot melt polyolefin based adhesive which primarily is supplied solution coated onto moulded shapes as /86. It is generally used as a high strength hot melt adhesive. Although upper service temperature is 105°C, terminations should not be under in-service flexural stress at temperatures much above 60-70°C. Operating temperature range of -80°C to 120°C.

Colour:	Translucent Yellow	Dimensions:	Width: 25.4mm wide Thickness: 0.66mm
Packaging:	30mtr roll	Specification:	RK6626/RT1050/6

Typical Applications

S1048 will adhere extremely well to most cable jacket materials, ie: ZHTM, DR-25, FDR or RNF as long as enough heat has been applied at the installation stage to ensure complete flow and wettability of the adhesive. This product will generally give a higher bond strength to most substrates when compared to S1030.

Installation Guidelines

Prepare surfaces to be bonded by abrading the substrate using 100 Grit Abrasive cloth. Cut required amount of adhesive tape and position as required. Apply a small amount of heat to secure adhesive tape in place. As a general guide, two wraps of adhesive tape should be applied. When using adhesive tape with a Raychem Adaptor, the knurled area and the recess lip, should both be applied with the adhesive tape. When second surface to be bonded is heated and recovered, post heat all bonds for at least 60 seconds. As a general guide the CV 1981 Heat Gun should be on setting 7 with a PR26 or PR51 Reflector fitted. Allow bonds to cool before flexing. Due to high temperature needed to achieve correct installation, this adhesive is not recommended for –4 moulded parts or heat sensitive substrates.

T-DR25-Tape

Introduction

DR-25 tape is available for repair and retrofit applications as a tape. It is available in two different widths. Its fluid resistance and mechanical performance is comparable with DR-25 Tubing.

Colour:	Black	Dimensions:	T-DR-25-NR1-0	Width: 25.0mm Thickness: 0.6mm
Packaging:	10 mtr roll T-DR-25-NR2-0	Width: Thickness:	20.0mm 0.45mm	
Packaging:	10 mtr roll	Specification:	RK6161	

Typical Applications

T-DR-25 Tape is recommended for repairing DR-25 cable jackets, protecting wire bundles and is flame retarded. The tape has a good seal against splash proof but not for immersion.

Installation Guidelines

Prepare surfaces to be bonded by abrading the substrate using 100 Grit Abrasive cloth. Cut required amount of adhesive tape and position as required. S1030 tape or S1125 product should be applied at the ends of the tape to give sealing and prevent the DR-25 tape unwrapping. This tape is not self-amalgamating and only gives a "bond" to itself and the substrate underneath by the grip obtained in the shrinkage during installation. It does not "bond" in the same way as a self-amalgamating or adhesive tape would. The installation temperature should be in excess of 130°C and a reflector such as a PR12 used with the recommended CV1981 heatgun.

Mouser Electronics

Authorized Distributor

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TE Connectivity:
S1048-TAPE-1X100-FT

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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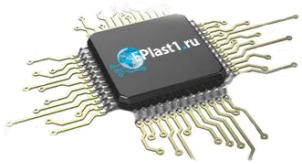

Как с нами связаться

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