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## RECYCLED PET PACKAGING TAPE

## DESCRIPTION

45 micron, recycled PET film. Designed mainly for packaging usage. Produces low noise level when unwinding. Suitable for low temperature usage. File made from 100% recycled plastic bottles. Contributes to plastic reduction, carbon reduction, sustainability and environmental protection.

| BACKING  | 100% RECYCLED PET FILM                                |
|----------|---|
| ADHESIVE | WATER BASED ADHESIVE<br>Does not contain nonylphenol. |

# **RPET-001 RPET-002**

**PRODUCT DATA SHEET** 



## FEATURES



#### ADVANCED LOW NOISE

Advanced technology for reduced noise ensures quiet application.



#### **BETTER FOR THE ENVIRONMENT** Recycling plastic bottles into PET film contributes to protecting our environment.

#### RECYCLABLE

Cardboard core can be recycled. Tape can be recycled with soft plastics.



#### CARBON FOOTPRINT REDUCTION

The production of recycled PET film generates 40% less CO2 emission than common BOPP film.



#### TEMPERATURE RESISTANT

Good temperature performance, long life & high initial adhesion. Suitable for low temperature usage, if applied in normal, dry temperature conditions prior to storage.

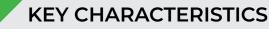
## TYPICAL APPLICATIONS

- Designed mainly for packaging usage for heavy duty carton closure & sealing.
- High performance adhesive suitable for 100% recycled board grades.
- Excellent for multi-purpose parcel sealing, securing plastic bags & bubble wrap, a clear fixing.



#### DURABLE

Heavy duty with strong bond, including good adhesion to recycled cardboard.



- Low noise level when unwinding.
- Stronger film than common BOPP tapes.
- Environmentally friendly water-based adhesive does not contain nonylphenol, harmless to human body.



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### RECYCLING

- Recycled PET Film is 100% PCR (Post Consumer Recycled) content.
- Tape core can be recycled, tape can be recycled with soft plastics.

## **TECHNICAL INFORMATION**

| Backing                         | 100% Recycled PET film  |
|---------------------------------|-------------------------|
| Adhesive                        | Water based adhesive    |
| Colour                          | Clear                   |
| Thickness - Total               | 45 microns              |
| Thickness - Film                | 23 microns              |
| Peel Adhesion to Steel (PSTC-1) | 2.54 N/cm               |
| Tensile Strength                | 33.7 N/cm               |
| Elongation                      | 10%                     |
| Shelf Life                      | 12 months               |
| Application Temperature         | 0 – 50°C                |
| Service Temperature             | 10 – 50°C               |
| Roll Size                       | 48mm x 50m, 48mm x 100m |
| Core Size                       | 75mm                    |

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website www.tapespec.co.nz\_Advanced Tape Application Guide.

## SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidisation, release agents & any other known contamination.

The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

#### **BONDING APPLICATION TEMPERATURE**

We recommend that the product, substrate & environment should be between 0°C & 50°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding.

For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +50°C. High relative humidity & direct sunlight must be avoided.

For more detailed handling instructions please refer to our comprehensive application guide.

#### **PRODUCT USE**

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.



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