



# Repulpable Single-Coated Tapes

R3127 • R3177 • R3187

Technical Data

March 2014

**Product Descriptions** 3M™ Repulpable Tapes R3127, R3177 and R3187 are single-sided paper tapes coated with a patented, high tack transparent repulpable adhesive on one side and an easy release coating on the backside for smooth unwind.

Product Number	Product Name	Colors	Standard Roll Length
R3127	Repulpable Flatback Tape	White, Blue, Kraft	55 m (60 yds)
R3177	Repulpable Super Strength Single Coated Tape	White, Blue, Kraft, Red	55 m (60 yds)
R3187	Repulpable Strong Single Coated Tape	White, Blue, Kraft	55 m (60 yds)

## Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Product	Caliper	MD Tensile	Elongation	CD Tensile	Elongation
R3127	4.2 mils (0.10 mm)	28 lbs/in (490 N/100m)	3%	19 lbs/in (332 N/100m)	3%
R3177	7.0 mils (0.16 mm)	42 lbs/in (735 N/100m)	9%	25 lbs/in (437 N/100m)	6%
R3187	7.5 mils (0.19 mm)	34 lbs/in (595 N/100m)	6%	23 lbs/in (402 N/100m)	5%

Product	Repulpability*	Heat Resistance**	FDA Compliance***
R3127	Completely	400°F (180°C)	Yes
R3177	Completely	400°F (180°C)	Yes
R3187	Completely	400°F (180°C)	Yes

\*Repulpability determined according to TAPPI UM-213, Procedure A.

\*\*As tested in laboratory, however, heat resistance may depend on machine and web tensions, nature of paper surface and/or coatings, application pressure, etc. which are outside of 3M control.

\*\*\*All components of the adhesive and backing meet the requirements of indirect food additive regulations as described under CFR 21 176.10 (Components of paper and paperboards in contact with aqueous and fatty food) and 21 CFR 176.180 (Components of paper and paperboards in contact with dry foods).

**Application Techniques** For optimum results, firm even rub down pressure should be applied to the tapes and paper to create the best possible adhesion between the adhesive and paper surface.

# 3M™ Repulpable Single-Coated Tapes

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Feature	Attribute	Benefit
Backings contains an easy-release coating	Easy unwind handling	Quick and easy roll closing or temporary butt splices
Excellent tape repulpability	Disperses in the hydropulper	Limits contamination by non-repulpable materials
R3127 flatback paper	Good backing strength for all your general purpose taping	3M performance and an economical price
R3187 conformable backing	Yields higher strength in the machine direction	Holds rolls closed and allows for roll movement without breaking the tape
R3177 high extensible backing	Allows the tape to stretch under stress	Holds rolls closed better through the stops and starts of automated roll handling
Sealed plastic bags	Assures product stability	Consistent performance

## Application Ideas

- Core starting.
- Roll closing.
- Butt splicing many paper and cellulosic materials (temporary).
- Threading off-machine coater.
- Paper roll edge reinforcement.

## Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

## Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

## Product Use

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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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