



Technical Data Sheet

3M™ Repulpable Single-Coated Tape R3177



[Regulatory Info/SDS](#)

Product Description

3M™ Repulpable Tape R3177 is a single-sided paper tape coated with a patented, high tack transparent repulpable adhesive on one side and an easy release coating on the backside for smooth unwind.

Product Features

- Backing contains an easy-release coating
- Excellent tape repulpability
- High extensible backing
- Sealed plastic bags
- All components of the adhesive and backing meet the requirements of indirect food additive regulations as described under 21 CFR 176.170 (Components of paper and paperboard in contact with aqueous and fatty food) and 21 CFR 176.180 (Components of paper and paperboard in contact with dry foods).

Technical Information Note

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

Typical Physical Properties

Attribute Name	Test Method	Value
Color		White
Total Tape Thickness	ASTM D3652	0.16 mm (7 mil)
Repulpability	TAPPI UM-213, Procedure A	Completely
Bond Strength		Delaminates most papers
Temperature Resistance		204 °C (400 °F) ¹

¹ Web temperature: As tested in laboratory, results may vary depending on machine and web tensions, nature of paper surface, application pressure, etc. which are outside of 3M control.

Typical Performance Characteristics

Attribute Name	Test Condition	Value
Short Term Temperature Resistance		204 °C (400 °F) ¹
Tensile Strength	Machine Direction	735 N/100mm (42 lb/in)
Tensile Strength	Cross Direction	437 N/100mm (25 lb/in)
Elongation at Break	Machine Direction	9 %
Elongation at Break	Cross Direction	6 %

¹ Short Term (minutes, hour)

Handling/Application Information

Application Examples

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

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.

Industry Specifications

21 CFR 176.170
21 CFR 176.180

FDA Statement

This product might be suitable for use in indirect food contact applications. Please see the applicable Regulatory Data Sheet for more information relating to FDA compliance.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	55 m (60 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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