



Technical Data Sheet

3M™ Padded Automatable Curbside
Recyclable (PACR) Mailer Material

Product Description

The 3M™ Padded Automatable Curbside Recyclable (PACR) Mailer Material is a paper-based solution that delivers the protection and performance you need with the sustainability focus you want. Designed for use with automated packaging machines, it withstands the rigors of shipping while being automatable for you and simple for your customers.

Product Features

Sustainability Focused

- Certified recyclable just like paper or corrugate*
- Highly repulpable based on Western Michigan University testing
- Lightweight, which can help reduce carbon emissions in transit
- Only uses a single layer of kraft paper
- Supports right-sized packaging

Protective Performance

- Proprietary padding technology
- Enables ISTA-3A certification
- Durable with strong protection against drops, bursts, vibration, and more
- Designed to resist moisture penetration
- Withstands the rigors of shipping

Automatable

- Facilitates fast and efficient operations
- Heat sealable with potential dwell times under one second

*Curbside recyclable where facilities are available

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	Value
Total Basis Weight	152 gsm
Backing	Kraft Paper

Typical Performance Characteristics

Attribute Name	Test Method	Value
Tear Strength	ASTM D689	175 gf ¹
Tear Strength	ASTM D689	120 gf ²
Cobb Value (Water Absorption)	T-441	32 gsm
USA Recyclability Tests	WMU Part I	PASS ³
USA Recyclability Tests	WMU Part II	PASS ³

¹ Machine Direction

² Cross Direction

³ WMU = Western Michigan University

Handling/Application Information

Application Examples

Ideal for use in eCommerce and fulfillment, biopharmaceuticals, food and beverage, and general industrial.

Application Techniques

This material is designed to be run on automated packaging equipment. Contact your 3M Sales Representative or Application Engineer to identify qualified equipment.

Optimal Sealing Conditions

Material can only be heat sealed when the padding technology is in contact with itself. Heat seal properties are dependent on time, temperature and pressure during sealing. To establish a seal with a one second dwell, it is recommended to use 450°F and 450psi. A heat sealable process window of 400 to 500°F and 400 to 600psi allows for different dwell times.

Printing Capabilities

Compatible with multiple printing technologies.

Storage and Shelf Life

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

Available Sizes

Attribute Name	Value
Core Size (ID)	76.2, 152.4 mm (3, 6 in)
Standard Roll Length	192, 200 m (210, 220 yd)
Roll Diameter	1016 mm (40 in)
Available Width	Consult your 3M Sales Rep or Application Engineer

Information

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ISO Statement

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

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