



3M™ Scotchcast Easy Dispenser 250

Data Sheet

October 2025

Product Description 3M™ Scotchcast™ Easy Dispenser 250 is an easy-to-use dispenser of electrical re-enterable resin for electrical installers. The 3M™ Scotchcast™ Easy Dispenser 250 contains 3M™ Scotchcast™ Resin 2123. This is a soft, two-part polybutadiene electrical resin encapsulant, designed for re-enterable splice protection.

3M™ Scotchcast™ Resin 2123 is formulated for virtually every electrical application requiring a reliable, soft, re-enterable resin with good handling and performance characteristics. 3M™ Scotchcast™ Resin 2123 has good wetting properties and low viscosity.

The resin flows well at low temperatures, filling the closure and minimizing air voids.

Potential Applications & Product Features 3M™ Scotchcast™ Resin 2123 is used for electrical insulation and moisture sealing of multicore low voltage cables up to 1000V in junction boxes where a re-enterable system is required.

Properties

Physical and Electrical Properties

Physical properties	Typical value
Mixing ratio A:B	1:1
Color	Amber, Translucent
Gel time at 77°F (25°C)	45 – 60 min
Part A & B mixed Density (ASTM B923) Typical cure time at 70°F (21°C)	0.93 g/cm ³ 24 hours

Parts A & B cured

Mechanical properties	Typical value
Tensile strength (ASTM D638)	0.200 psi (0.014 kg/cm ²)
Elongation (ASTM D638)	274%
Moisture absorption (ASTM D570)	0.2%

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Electrical properties	Typical value
Insulation Resistance (MS 17000, Section 1182)	>4 x 10 ¹¹ ohms
Dielectric Strength (ASTM D149)	240 V/mil (9,5 kV/mm)
Dielectric Constant, @ 60Hz (ASTM D150)	3.4 pf @ 73°F (23°C) 3.3 pf @194°F (90°C)
Dissipation Factor, @ 60Hz (ASTM D150)	3.5% @ 73°F (23°C) 114.5% @194°F (90°C)

Usage Information

Features

- 3M™ Scotchcast™ Easy Dispenser 250 is compatible and used with commercially available applicator guns
- Mixing of resin components is by a static mixer and delivered together with cartridge
- Easy re-accessibility of the cable connection
- Homogeneous and reliable insulation
- Good protection against water (IPx8)
- Continuous operating temperature of the resin at 194°F (90°C), with an overload rating up to 266°F (130°C)

Available sizes

- 3M™ Scotchcast™ Easy Dispenser 250 cartridge: 250 ml
- 3M™ Scotchcast™ Resin 2123 will be supplied in two-chamber plastic cartridge with a static mixer to ensure a correct mixing ratio for applying the resin. Cartridge can be mounted into commercially available application guns. For humidity protection the cartridge is supplied in an aluminum guard bag which must stay closed until the first use.

Application Conditions

- Keep cartridges at 41°F (5°C) or warmer before mixing. In cooler conditions keep cartridges in warmer area until ready to mix.

Safety and Handling

- 3M provides its customers with a product specific Safety Data Sheet (SDS) to cover potential health effects, safe handling, storage, use and disposal information. 3M strongly encourages its customers to review the SDS on its products prior to their use.

Regulatory

For Regulatory information including Safety Data Sheet (SDS), RoHS and REACH compliance information, please visit www.3M.com/regs

Shelf Life & Storage

3M™ Scotchcast™ Resin 2123 has a 2-year shelf life when stored between 10°C and 40°C with humidity level < 75% in the original sealed bag. The expiration date of each product appears on the product packaging.

Availability

For availability, please contact your local distributor. Names and addresses are available from www.3M.com/electrical [Where to Buy] or call 1-800-676-8381.

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Technical Statement

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TDS-1175213 Rev A