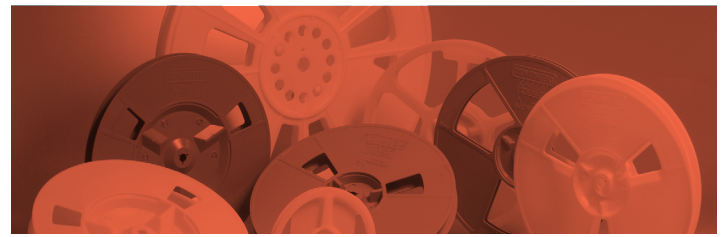




PACKAGING REELS

**13" LOKREEL® Pro
Anti-Static Component
Packaging Reels**



Advantek's patented LOKREEL® Pro component packaging reels are ideal for shipment and storage of any component packaged in carrier tape. The LOKREEL® Pro high-impact injection molded polystyrene construction offers exceptional protection to devices. LOKREEL® Pros are sold and shipped disassembled in halves to minimize shipping cost and provide compact storage.

- Shipped in halves to decrease shipping costs by up to 70%
- "Neat-stacked," high-density packing reduces needed storage space by as much as 60%
- Halves configuration offers flexibility in managing the different reel widths needed during production—from 8mm to 56mm
- Assembles with simple twisting motion—no gluing or fasteners

Construction

LOKREEL® Pro halves are injection-molded using a specially formulated high impact polystyrene (HIPS). Antistatic agent is applied to RD series LOKREEL® Pros by emersion in solution. Re-use of this product may degrade the antistatic properties.

Configurations

Advantek LOKREEL® Pros have an outside diameter of 13" (330mm) and a 1/2" (13mm) diameter arbor hole. Reel halves are available in a variety of hub diameters and hub widths. Hub diameters include the standard 4" (102mm) hub suitable for most carrier tapes and the 7" (178mm) hub designed to protect devices contained in deep-pocket and narrow pitch carrier tapes. Available hub widths include 4mm, 8mm, 16mm and 28mm. Any combination of these hub widths will combine to produce a reel for EIA standard carrier tape widths of 8, 12, 16, 24, 32, 44 and 56mm. The table below demonstrates LOKREEL® Pro half combinations and the reel widths they produce.

| Reel Width (mm) | LOKREEL® Pro Flange Combinations |
|-----------------|----------------------------------|
| 8 | 4mm + 4mm |
| 12 | 4mm + 8mm |
| 16 | 8mm + 8mm |
| 24 | 8mm + 16mm |
| 32 | 16mm + 16mm |
| 44 | 16mm + 28mm |
| 56 | 28mm + 28mm |

Shelf Life and Storage

We recommend that Advantek type RD Antistatic LOKREEL® Pros be used within 2 years of the date of manufacture. Type RC Conductive LOKREEL® Pros have an indefinite shelf life. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21° C +/- 17°C (70° +/- 30°F). Allow the product to stabilize at room temperature prior to use. The mechanical integrity of the product is not affected by humidity.

Part Numbers

| | White Anti-Static | | Blue Anti-Static | |
|-----------|-------------------|-----------------|------------------|-----------------|
| | 4" Diameter Hub | 7" Diameter Hub | 4" Diameter Hub | 7" Diameter Hub |
| Hub Width | 4" Diameter Hub | 7" Diameter Hub | 4" Diameter Hub | 7" Diameter Hub |
| 4mm | RD33004SW | RD33704SW | RD33004SW-BL | RD33704SW-BL |
| 8mm | RD33008SW | RD33708SW | RD33008SW-BL | RD33708SW-BL |
| 16mm | RD33016SW | RD33716SW | RD33016SW-BL | RD33716SW-BL |
| 28mm | RD33028SW | RD33728SW | RD33028SW-BL | RD33728SW-BL |

Part Numbers

| | Black Conductive | |
|-----------|------------------|-----------------|
| | 4" Diameter Hub | 7" Diameter Hub |
| Hub Width | 4" Diameter Hub | 7" Diameter Hub |
| 4mm | RC33004SW-A | — |
| 8mm | RC33008SW-A | RC33708SW |
| 16mm | RC33016SW-A | RC33716SW |
| 28mm | RC33028SW-A | RC33728SW |

Antistatic LOKREEL® Pro Properties

| Property | Typical Value | Test Method/Standard |
|-----------------------------------|-------------------------------|--|
| Tensile Strength | 3500 PSI | ASTM D 638 |
| Elongation | 40% | ASTM D 638 |
| Flexural Modulus | 280,000 PSI | ASTM D 790 |
| Vicat Softening | 100°C (212°F) | ASTM D 1525 |
| Specific Gravity | 1.04 | ASTM D 892 |
| Surface Resistivity (Anti-static) | ≤10 ¹¹ ohms/square | ASTM D 257 Static Dissipative per EIA 541 |
| Color | White, Blue | N/A |

Conductive LOKREEL® Pro Properties

| Property | Typical Value | Test Method/Standard |
|---------------------|------------------------------|--------------------------------------|
| Tensile Strength | 3500 PSI | ASTM D 638 |
| Elongation | 50% | ASTM D 638 |
| Flexural Modulus | 270,000 PSI | ASTM D 790 |
| Vicat Softening | 100°C (212°F) | ASTM D 1525 |
| Specific Gravity | 1.04 | ASTM D 892 |
| Surface Resistivity | <10 ⁵ ohms/square | ASTM D 257 Conductive per EIA 541 |
| Color | Black | N/A |

Note: The values presented for this product are typical laboratory data and may be changed without notice.



Our wide line of component packaging products offers the flexibility you need to balance price and performance.



ADVANTEK®
engineered confidence™

| | | | | | | |
|--------------------------|----------------|--------------------|---------------|-----------------|--------|--------|
| Embossed Carrier Tapes | SFT® | Complex Designs | Basic Designs | Interleaf Tapes | | |
| Cover Tapes | Heat Activated | Pressure Sensitive | | | | |
| Packaging Reels | Pro | Ultra | Lite | Trimline | | |
| Barrier Bags | DRYLOK® | STATLOK® | | | | |
| Bands | PROBAND® | LOKBAND® | | | | |
| Humidity Indicator Cards | 1 Spot | 3 Spot | 4 Spot | 6 Spot | | |
| Desiccant | 1/3 Unit | 1/2 Unit | 1 Unit | 2 Unit | 4 Unit | 8 Unit |
| Dicing Tapes | UV Cured | Non UV Cured | | | | |

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