



# 13" LOKREEL® Lite Anti-static Packaging Reels



Advantek's LOKREEL® Lite plastic injection-molded packaging reels are an exceptional choice where price is a key concern. LOKREEL® Lite reels are designed to achieve a combination of structural integrity, lower weight and lower cost than the premium reels, but keep the same durable hub structure. The flanges have larger windows to reduce the amount of plastic used and still support up to three labels as large as 4"x5.5" (102mmx140mm) each.

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



## Material Properties

| Property                    | Typical Value               | Test Method |
|-----------------------------|-----------------------------|-------------|
| Tensile Strength            | 3,500PSI                    | ASTM D 638  |
| Elongation                  | 40%                         | ASTM D 638  |
| Izod Impact Strength        | 21KJ/m <sup>2</sup>         | ASTM D 256  |
| Flexural Modulus            | 270,000PSI                  | ASTM D 790  |
| Heat Distortion Temperature | 80°C                        | ASTM D 648  |
| Specific Gravity            | 1.04                        | ASTM D 792  |
| Surface resistivity         | ≥1.0E5, <1.0E12 Ohms/square | ASTM D 257  |
| Color                       | White, Blue                 |             |

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

## Construction

LOKREEL® Lite halves are injection-molded using a specially formulated high impact polystyrene (HIPS). Re-use of this product may degrade the antistatic properties.

## Configurations

Advantek LOKREEL® Lites 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 right demonstrates LOKREEL® Lite half combinations and the reel widths they produce.

## Shelf Life and Storage

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

## Reel Combination

| Reel Width | Flange combinations |
|------------|---------------------|
| 8mm        | 4mm + 4mm           |
| 12mm       | 4mm + 8mm           |
| 16mm       | 8mm + 8mm           |
| 24mm       | 8mm + 16mm          |
| 32mm       | 16mm + 16mm         |
| 44mm       | 16mm + 28mm         |
| 56mm       | 28mm + 28mm         |

## Ordering Information

| Hub Width | 4" Diameter Hub | 7" Diameter Hub |
|-----------|-----------------|-----------------|
| 4mm       | RD33404SW       | RD33704LW       |
| 8mm       | RD33408SW       | RD33708LW       |
| 16mm      | RD33416SW       | RD33716LW       |
| 28mm      | RD33428SW       | RD33728LW       |