



Advantek's LOKREEL Lite Eco static dissipative component packaging reels are ideal for shipment and storage of any component packaged in carrier tape. These reels are designed to achieve a combination of structural integrity and lower weight. This, in combination with use of HIPS regrind material, offers a high level of quality at a lower cost.

- > 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 production - from 8 to 56mm
- > Reels assemble with simple twisting motion - requiring no gluing or fasteners.
- > RoHS 1.0 compliance



### Material Properties

Property	Typical Value	Test Method
Tensile Strength	3,500 PSI	ASTM D 638
Elongation	20%	ASTM D 638
Izod Impact Strength	11.7 KJ/m <sup>2</sup>	ASTM D 256
Flexural Modulus	280,000 PSI	ASTM D 790
Heat Distortion Temperature	71°C	ASTM D 648
Specific Gravity	1.06	ASTM D 792
Surface resistivity	≥1.0E5, <1.0E12 Ohms/square	ASTM D 257
Color	Black	

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

### Construction

LOKREEL Lite Eco halves are injection-molded using a high impact polystyrene (HIPS) regrind blend. Re-use of this product may degrade the static dissipative properties.

### Configurations

LOKREEL Lite Eco flanges have an outer diameter of 13" (330mm) and an arbor hole diameter of 1/2" (13mm). Hub diameters include the standard 4" (102mm), suitable for most carrier tapes, and 7" (178mm) designed to protect devices contained in deep-pocket and narrow-pitch carrier tapes. Available hub widths include 4, 8, 16 and 28mm. Combinations of these produce reels for EIA standard carrier tape widths of 8, 12, 16, 24, 32, 44 and 56mm. The table to the right demonstrates the reel width produced from combinations.

### Shelf Life and Storage

We recommend LOKREEL Lite Eco 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 ± 17°C (70 ± 30°F). Allow the product to stabilize at room temperature prior to use. Mechanical integrity of the product is not affected by humidity.

### Reel Combinations

Reel Width (mm)	Flange combinations (mm)
8	4 + 4
12	4 + 8
16	8 + 8
24	8 + 16
32	16 + 16 or 4 + 28
44	16 + 28
56	28 + 28

### Ordering Information

Hub Width (mm)	4" Diameter Hub	7" Diameter Hub
4	RL33004RBK	RL33704RBK
8	RL33008RBK	RL33708RBK
16	RL33016RBK	RL33716RBK
28	RL33028RBK	RL33728RBK