



Advantek's LOKREEL Pro Conductive component packaging reels are ideal for shipment and storage of ESD sensitive components packaged in carrier tape. Its inherent carbon-loaded construction offers exceptional ESD protection. LOKREEL Pro Conductive are sold and shipped disassembled in halves to minimize shipping cost and provide compact storage.

- > Conductive to discharge static electricity
- > 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 8mm to 56mm
- > Assembles with simple twisting motion, no gluing or fasteners



Material Properties

Property	Typical Value	Test Method
Tensile Strength	4,200 PSI	ASTM D 638
Elongation	15%	ASTM D 638
Izod Impact Strength	13 KJ/m ²	ASTM D 256
Flexural Modulus	330,000 PSI	ASTM D 790
Heat Distortion Temperature	72°C	ASTM D 648
Specific Gravity	1.11	ASTM D 792
Surface Resistivity	<1.0E5 Ohms/square	ASTM D 257
Surface Resistance	<1.0E4 Ohms	ANSI/ESD STM 11.13
Color	Black	n/a

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

Construction

LOKREEL Pro Conductive halves are injection-molded using a specially carbon-loaded high-impact polystyrene (HIPS).

Configurations

LOKREEL Pro Conductive 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 a 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 Pro Conductive 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	RC33004SW	RC33704SW
8	RC33008SW	RC33708SW
16	RC33016SW	RC33716SW
28	RC33028SW	RC33728SW