



Advantek's LOKREEL Pro SR is ideal for the shipment and storage of ESD sensitive components packaged in carrier tape. LOKREEL Pro SR reels are sold and shipped disassembled in halves to minimize shipping cost and provide compact storage.

- > Surface resistivity less than $1.0E10$ Ohms/sq
- > 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	3,500 PSI	ASTM D 638
Elongation	25%	ASTM D 638
Izod Impact Strength	16 KJ/m ²	ASTM D 256
Flexural Modulus	300,000 PSI	ASTM D 790
Heat Distortion Temperature	74°C	ASTM D 648
Specific Gravity	1.08	ASTM D 792
Surface Resistivity	$\geq 1.0E5$, $1.0E10$ Ohms/square	ASTM D 257
Surface Resistance	$\geq 1.0E4$, $1.0E9$ Ohms	ANSI/ESD STM 11.13
Color	Black	

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

Construction

LOKREEL® Pro SR halves are injection-molded using a specially formulated high impact polystyrene (HIPS).

Configurations

LOKREEL Pro SR 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 SR 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	RD33004DBK	RD33704DBK
8	RD33008DBK	RD33708DBK
16	RD33016DBK	RD33716DBK
28	RD33028DBK	RD33728DBK