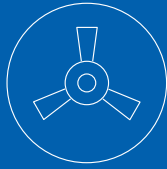


13" LOKREEL® Tight Surface Resistivity Reels



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

- > Tight surface resistivity to dissipate 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 productions from 8mm to 56mm
- > Assembles with simple twisting motion, no gluing or fasteners



Material Properties

Property	Typical Value for RD33xxxDBK	Test Method
Tensile Strength	3,500PSI	ASTM D 638
Elongation	25%	ASTM D 638
Izod Impact Strength	16KJ/m ²	ASTM D 256
Flexural Modulus	300,000PSI	ASTM D 790
Heat Distortion Temperature	74°C	ASTM D 648
Specific Gravity	1.08	ASTM D 792
Surface Resistivity	≥1.0E5, <1.0E10 Ohms/sq.	ASTM D 257
Surface Resistance	≥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® Tight Surface Resistivity halves are injection-molded using a specially formulated high impact polystyrene (HIPS).

Configurations

Advantek LOKREEL® Tight Surface Resistivity halves 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 (Reel Combinations) demonstrates LOKREEL® Tight Surface Resistivity half combinations and the reel widths they produce.

Shelf Life and Storage

We recommend that the Advantek LOKREEL® Tight Surface Resistivity reels be used within 2 years from 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	RD33xxxDBK
4mm (4" Hub)	RD33004DBK
8mm (4" Hub)	RD33008DBK
16mm (4" Hub)	RD33016DBK
28mm (4" Hub)	RD33028DBK
4mm (7" Hub)	RD33704DBK
8mm (7" Hub)	RD33708DBK
16mm (7" Hub)	RD33716DBK
28mm (7" Hub)	RD33728DBK

Note: Please confirm with Advantek sales for the availability.