



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 premium reels while retaining the same durable hub structure. The flanges have larger windows to reduce the amount of plastic used and still support up to three 4"x5.5" labels.

- > 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	3,500 PSI	ASTM D 638
Elongation	40%	ASTM D 638
Izod Impact Strength	21 KJ/m <sup>2</sup>	ASTM D 256
Flexural Modulus	270,000 PSI	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 (SW, LW), Black (BK), Navy Blue (NB)	

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

### Construction

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

### Configurations

LOKREEL Lite flanges have an outer diameter of 13" (330mm) and a 1/2" (13mm) diameter arbor hole. 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. Combination of these widths produce a reel for EIA standard carrier tape widths of 8, 12, 16, 24, 32, 44 and 56mm. The table on the right demonstrates the reel width produced from combinations.

### Shelf Life and Storage

We recommend LOKREEL Lite 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	RD33404SW	RD33704LW
8	RD33408SW	RD33708LW
16	RD33416SW	RD33708LW
28	RD33428SW	RD33728LW
4	RL33404BK	RL33704BK
8	RL33408BK	RL33708BK
16	RL33416BK	RL33716BK
18	RL33428BK	RL33728BK
4	RL33404NB	RL33704NB
8	RL33408NB	RL33708NB
12	RL33416NB	RL33716NB
28	RL33428NB	RL33728NB