



Advantek's 15" LOKREEL Ultra is ideal for taking up more component devices in a single reel. The LOKREEL Ultra is injection molded using a specially formulated high-impact polystyrene and finished with a static dissipative agent application for ESD protection. An assembled reel is comprised of two inter-locking flanges to achieve a wide range of reel widths.

- > 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 for RD386xxSW	Typical Value for RD386xxRBK	Test Method
Tensile Strength	3,500 PSI	3,500 PSI	ASTM D 638
Elongation	40%	20%	ASTM D 638
Izod Impact Strength	21 KJ/m <sup>2</sup>	11.7 KJ/m <sup>2</sup>	ASTM D 256
Flexural Modulus	270,000 PSI	280,000 PSI	ASTM D 790
Heat Distortion Temperature	80°C	70.6°C	ASTM D 648
Specific Gravity	1.04	1.06	ASTM D 792
Surface Resistivity	≥1.0E5, <1.0E12 Ohms/square	≥1.0E5, <1.0E12 Ohms/square	ASTM D 257
Color	White	Black	

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

### Construction

LOKREEL Ultra halves are injection-molded using a specially formulated high-impact polystyrene (HIPS). Re-use of this product may degrade the static dissipative properties.

### Configurations

LOKREEL Ultras have an outside diameter of 15" (381mm) and a 1/2" (13mm) diameter arbor hole. Hub diameter is 6" (152mm) - suitable for most carrier tapes. Available hub widths include 4mm, 8mm, 16mm and 28mm. Combinations of these 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 Ultra 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	Virgin White	Regrind Black
4mm	RD38604SW	RD38604RBK
8mm	RD38608SW	RD38608RBK
16mm	RD38616SW	RD38616RBK
28mm	RD38628SW	RD38628RBK