



15" LOKREEL® Ultra Anti-static Packaging Reels



Advantek's 15" LOKREEL® Ultra reels are ideal for taking up more component devices in a single reel. The LOKREEL® Ultra is injection molded using a specially formulated high impact polystyrene material and finished with an application of an anti-static agent of ESD protection. An assembled reel is comprised of two inter-locking flanges suitable for winding and transporting carrier tapes packaged with components.

- > 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 RD386xxSW	Typical Value for RD386xxRBK	Test Method
Tensile Strength	3,500PSI	3,500PSI	ASTM D 638
Elongation	40%	20%	ASTM D 638
Izod Impact Strength	21KJ/m ²	11.7KJ/m ²	ASTM D 256
Flexural Modulus	270,000PSI	280,000PSI	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 antistatic properties.

Configurations

Advantek 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 of 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 right demonstrates LOKREEL® Ultra half combinations and the reel widths they produce.

Shelf Life and Storage

We recommend that the Advantek Antistatic LOKREEL® Ultras 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°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	Virgin White	Regrind Black
4mm	RD38604SW	RD38604RBK
8mm	RD38608SW	RD38608RBK
16mm	RD38616SW	RD38616RBK
28mm	RD38628SW	RD38628RBK