



GENERAL INFORMATION

Advantek 7" component packaging reels provide excellent protection when shipping small components packaged in carrier tape, such as bare die and small integrated circuits (ICs). Made of HIPS for added strength and durability, the 7" reels are available in both standard and antistatic varieties in a variety of widths.

The one-piece architecture of the 7" reels requires no assembly for ease of use. The reel's flange contains a wider surface area than competitive reels, providing ample room to affix labels with critical information such as barcodes, part numbers, lot numbers and date of manufacture. The reels adhere to Advantek quality standards, yet offer a cost-effective solution to meet all your small component packaging needs.

Features and benefits:

- Cost-effective and sturdy protection for shipping and storing of small components
- One-piece architecture eliminates the need for assembly
- Available in 8, 12 and 16mm widths
- Reel flange accommodates labels up to 2" x 4"
- Standard and antistatic varieties are available in white, blue, and black
- Designed for use with Advantek EIA standard carrier tape widths of 8, 12 and 16mm
- Fits Advantek's STATLOK® static-shielding or Advantek DRYLOK® static-shielding/moisture barrier bags

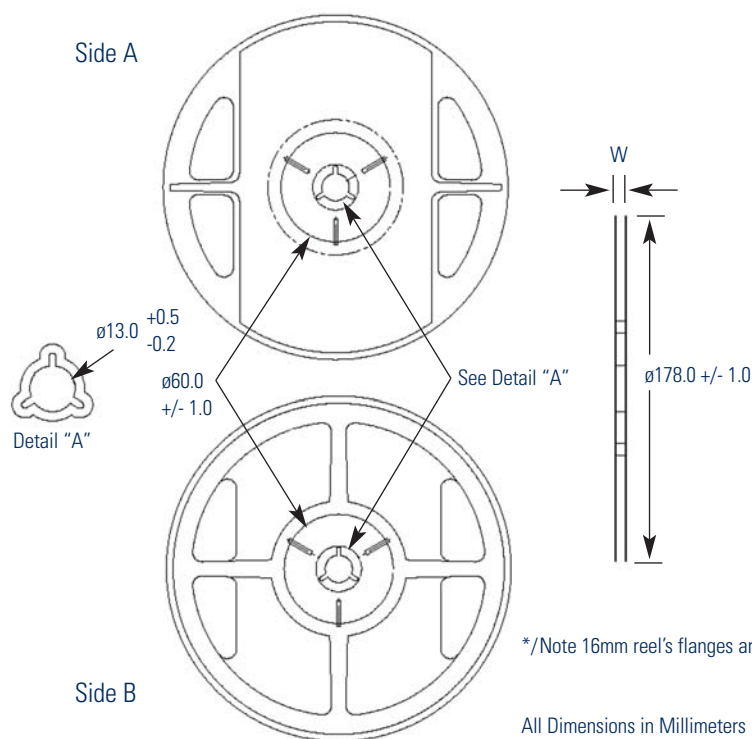
7" Component Packaging Reels

Construction

Advantek 7" component packaging reels are injection-molded using a specially formulated high-impact polystyrene (HIPS). Antistatic varieties are made so by immersion in solution. Re-use of antistatic reels may degrade the antistatic properties.

Configurations

The Advantek 7" component packaging reel has an outside diameter measuring 7" (178mm) and an arbor hole diameter of .51" (13mm). Reel hubs measure 2.36" (60mm) in diameter and are available in a variety of EIA standard widths, including 8, 12 and 16mm.



Shelf Life/Storage Conditions

Advantek 7" standard component packaging reels have an indefinite shelf life. Advantek antistatic reels should be used within 2 years from the date of manufacture.

Advantek 7" component packaging reels should be stored in their original packaging in a climate-controlled environment where conditions range from 21 C +/- 17 C (70.0 F +/- 30F). Users are advised to let the product stabilize at room temperature prior to use. The mechanical integrity of the reel is not affected by humidity.



7" Component Packaging Reels

Properties

Property	Typical Value	Test Method/Standard
Tensile Strength	> 200 Kg/cm ²	ASTM D 638
Elongation	≥ 30%	ASTM D 638
Flexural Modulus	> 1.0 Kg/cm ²	ASTM D 790
Vicat Softening	98°C (208°F)	ASTM D 1525
Specific Gravity	1.05 g/cc	ASTM D 792
Surface Resistivity (Antistatic)	≤10 ¹¹ ohms/square	ASTM D 257 Static Dissipative per EIA 541
Surface Resistivity (Standard)	>10 ¹² ohms/square	ASTM D 257

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Part Numbers

Antistatic	White	Blue	Black
8mm	RD27608	RD27608-BL	RD27608-BK
12mm	RD27612	RD27612-BL	RD27612-BK
16mm	RD27616	RD27616-BL	RD27616-BK

For Standard reels (not dipped), replace "D" with "S" in part number.