

CHR® C661/C665

Foil-Copper Pressure Sensitive Adhesive Tape

CHR C661 and C665 are manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, from electrically deposited copper foil backing with acrylic adhesive.

Features/Benefits

The copper foil surface of C661 is electrically conductive, conformable and easy to apply. Its release liner aids in die cutting. The EMI/RFI shielding seals components from radiating or leaking interference. The copper foil and adhesive of C665 are both electrically conductive and the release liner aids in die cutting. Both C661 and C665 tapes offer solvent resistance. C661 and C665 can meet Underwriters Laboratories recognized component program Guide OANZ2, File E51201 and UL510 flame retardant specifications.

Availability

Factory stock for C661 is in master log form 33 m × 610 mm (36 yd × 24 in) wide. Factory stock for C665 is in master log form 610 mm (24 in) width in lengths 16.5 m and 33 m (18 yd and 36 yd). Rolls can be slit 6.35 mm to 610 mm wide. **CHR** C661 and C665 are available with a liner.

Applications

CHR C661 tape is developed for specialty shielding applications; typically IC chips, electrical cabinets, cables, motors and static dissipation. **CHR** C665 tape is intended for conductivity through the entire construction.



CHR C661/C665 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	C661	C665
Backing Material	Foil-Copper	Foil-Copper
Adhesive Type	Acrylic	Conductive Acrylic
Total Thickness mm (mil)	0.089 (3.5)	0.089 (3.5)
Backing Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	8.8 (80)	3.8 (35)
Tensile Strength N/cm (lb/in)	123 (70)	123 (70)
Elongation (% at break)	16	-
Surface Resistance (ohms/in ²)	-	0.0065
Volume Resistance (ohms/in ³)	-	0.01
Operating Temperature °C (°F)	-40 to +121 (-40 to +250)	-40 to +121 (-40 to +250)
NASA Outgassing (% TML)	0.15	0.07
NASA Outgassing (% CVCM)	0.01	0.02

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