

C661/C665

FOIL-COPPER

Saint-Gobain Performance Plastics CHR® C661 and C665 are manufactured from electrically deposited copper foil backing with acrylic adhesive.

Typical Properties

Product Number	C661	C665
Backing Material	Foil-Copper	Foil-Copper
Adhesive Type	Acrylic	Conductive Acrylic
Total Thickness (in.)	.0040	.0035
Backing Thickness (in.)	.0016	.0014
Adhesive Thickness (in.)	.0024	.0021
Adhesion to Steel (oz./in.)	80	35
Tensile Strength (lbs./in.)	70	70
Elongation (% at break)	16	—
Surface Resistance (ohms/in.)	—	.0065
Volume Resistance (ohms/in.)	—	.01
Operating Temperature (°F)	-40 to 250	-40 to 250
NASA Outgassing (% TML = .15%)	CVCM = 0.01	—
NASA Outgassing (% TML = .07%)	—	CVCM = 0.02

Values shown are typical. Certified test reports for writing specifications are available.

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

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 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 36 yards long x 24" wide. Factory stock for C665 is in master log form 18 yards long x 24" wide. Rolls can be slit 1/4" wide to 24" wide. C661 and C665 are available with a liner.

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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