

HPC661/HPC665

FOIL-COPPER

HPP Performance HPPSTIK HPC661 and HPC665 are manufactured from electrically deposited copper foil backing with acrylic adhesive.

Typical Properties

Product Number	HPC661	HPC665
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—HPC661 tape is developed for specialty shielding applications; typically IC chips, electrical cabinets, cables motors and static dissipation. HPC665 tape is designed for conductivity through the entire construction.

Features/Benefits—The copper foil surface of HPC661 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 HPC665 are both electrically conductive and the release liner aids in die cutting. Both HPC661 and HPC665 tapes offer solvent resistance. HPC661 and HPC665 meet Underwriters

Laboratories recognized component program Guide OANZ2, File E51201, and UL510 flame retardant specifications.

Availability—Factory stock for HPC661 is in master log form 36 yards long x 24" wide. Factory stock for HPC665 is in master log form 18 yards long x 24" wide. Rolls can be slit 1/4" wide to 24" wide. HPC661 and HPC665 are available with a liner.

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Limited Warranty:

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