

HPG5-06R

PTFE-FILM LAMINATED FABRIC TAPE

Hi-Performance Products, HPG5-06R tape is manufactured from multi-layer fluoropolymer cast films laminated to fiberglass reinforced fabrics, coated one side with a high performance, silicone pressure-sensitive adhesive for use in the most demanding high temperature environments.

HPG5-06R is particularly well suited to applications in PVC welding where significantly extended lifetimes over conventionally coated fabrics can be expected.

Typical Properties

Product Number	HPG5-06R
Base Thickness (in.)	0.0063
Adhesive Thickness (in.)	.002
Base PTFE-Fabric Weight (oz./yd.)	9.59
Adhesive Type	Silicone
Peel Adhesion (oz./in.)	49
Operating Temperature (°F)	-100 to 500
Standard Widths (in.)	39.4

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

Applications—HPP

HPG5-06R is frequently used as a disposable release surface by the packaging industry on heat sealers, by the fenestration industry on corner welding machines, and by the textile industry as a can cover for rebound foam-film reinforcement laminating. The durability and anti-stick properties make it an ideal material for the most extreme high temperature and high volume environments.

Features/Benefits—HPG5-06R has a modified hardened surface to resist the abrasions and punctures so prevalent in extreme industries, and adhesion promoters that enhance the ability of

the PTFE to stick to both bare glass and subsequent layers of PTFE. HPG5-06R also features two laminated layers of film on the top and bottom, which enable it to outperform traditional coated fabrics of thicknesses up to 14 mils. High temperature, pure phenyl silicone adhesive outlasts the most popular low-cost methyl silicones used in disposable applications.

Availability—HPG5-06R is available only in a 6+ mil thickness (currently) and slit rolls from 1/2" wide to 39.4" wide. Standard roll length is 18 or 36 yards long. HPG5-06R is currently available only with a liner.

Feature/Benefits

- Hardened PTFE surface: durability and long life
- Cast film technology: assures pinhole-free surface to prevent molten PVC from sticking
- Thickened core: more stable, puncture resistant
- 6+ mils total thickness: more for your fenestration dollar
- Adhesion promotion passes: resists product delamination and fiberglass fracture under extreme loads
- Phenyl silicone adhesive: highest temperature resistant adhesive known

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