

HP27275

FILM-PTFE (EXTRUDED, ORIENTED, HIGH-MODULUS)

HPP Performance HPPSTIK HP27275-2 is manufactured from extruded, oriented, high-modulus PTFE (polytetrafluoroethylene) film coated with high-temperature silicone adhesive.

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Typical Properties

Product Number	HP27275-2
Backing Material	Film-PTFE
Adhesive Type	Silicone
Total Thickness (in.)	.0042
Backing Thickness (in.)	.0023
Adhesive Thickness (in.)	.0019
Adhesion to Steel (oz./in.)	40
Tensile Strength (lbs./in.)	45
Dielectric Strength (volts)	11000
Elongation (% at break)	110
Operating Temperature (°F)	-100 to 500
Color	Rust

www.ptfeglass.com

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

Applications—HP27275-2 is designed to be used as a high-temperature "roller wrap" tape in the production of polyethylene/polypropylene laminates. During this process, the plastic is extruded onto a substrate as it passes through a number of rolls. The tape is wrapped around the rolls to protect the exposed ends of the rollers from the molten plastic, thus preventing buildup of the plastic on the roll surface. The high-temperature capabilities and exceptional durability of HP27275-2 enables the tape to be used for long continuous laminating production runs. HP27275-2 can also be used to fabricate belts used in laminating applications as well as other applications that require the temperature and release properties of the tape.

abrasion resistance while maintaining the superior release properties offered by PTFE. The specially formulated high-temperature silicone adhesive has excellent adhesion both to the surface to which the tape is being applied as well as to its own backing when wrapped on itself to assure that the tape stays bonded during the application. HP27275-2 removes cleanly after use and is pigmented to facilitate visual inspection during use.

Availability—HP27275-2 is available in slit rolls only in 36 yard lengths on 3" printed cores. Standard widths are 1-1/2", 2", 3" and 4". Other sizes available upon request.

Features/Benefits—The oriented PTFE film used to make the HP27275-2 adhesive tape is processed to provide high tensile strength and exceptional