

HP27253/HP27254 FILM-PTFE (SKIVED, HIGH-MODULUS)

HPP Performance Plastics HPPSTIK HP27253 and HP27254 are manufactured from modified PTFE (polytetrafluoroethylene) film coated with pressure-sensitive adhesive.

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Typical Properties

Product Number	HP27253-2	HP27254-2
Backing Material	Film-PTFE	Film-PTFE
Adhesive Type	Acrylic	Silicone
Total Thickness (in.)	.0035	.0035
Backing Thickness (in.)	.0020	.0020
Adhesive Thickness (in.)	.0015	.0015
Adhesion to Steel (oz./in.)	30	35
Tensile Strength (lbs./in.)	30	30
Dielectric Strength (volts)	9500	9500
Elongation (% at break)	150	150
Operating Temperature (°F)	-40 to 350	-40 to 350
Color	Gray	Gray

www.ptfeglass.com

Limited Warranty: For a period of 6 months from the date of first sale, High Performance Products 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). High Performance Products DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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

Applications—The excellent conformability and release properties of the PTFE backing, along with the high temperature capability of the adhesive, make these tapes ideal for applications such as composite lay-up, roller wrapping, plate masking, heat sealing and other uses where costly clean up is a problem. The aerospace industry can also use these tapes in phase insulation for bundling end turns, spot bundling, anchor breakouts and to protect airframe wire harnesses.

Features/Benefits—Their most outstanding properties are its high dielectric and tensile strength, which make it an extremely durable insulation tape. The high temperature properties of the PTFE and adhesive allow it to perform in continuous temperatures up to 350°F or 500°F.

A high-modulus tape, they exhibit low elongation which enables it to be applied with automatic wrapping equipment. The other outstanding features include chemical inertness as well as low friction, anti-stick, non-toxic properties and clean release, making it the right material for numerous applications.

Availability—Factory stock is in master log form 36 yards long x 16" wide. Rolls can be slit in widths ranging from 1/2" to 16". Standard roll length is 36 yards. HP27253-2 is available with or without a liner. HP27254-2 is available with or without a liner, or etched topside for bondability.

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