

# HP27283/HP27285

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

Hi-Performance Products, Inc. HP27283 and HP27285 are manufactured from extruded, oriented, high-modulus PTFE (polytetrafluoroethylene) film coated with high-temperature pressure-sensitive adhesive.

### Typical Properties

Product Number	HP27283-2	HP27285-2	HP27285-5
Backing Material	Film-PTFE	Film-PTFE	Film-PTFE
Adhesive Type	Acrylic	Silicone	Silicone
Total Thickness (in.)	.0040	.0035	.0065
Backing Thickness (in.)	.0020	.0020	.0050
Adhesive Thickness (in.)	.0020	.0015	.0015
Adhesion to Steel (oz./in.)	30	30	40
Tensile Strength (lbs./in.)	30	30	75
Dielectric Strength (volts)	10000	9000	16000
Elongation (% at break)	150	175	200
Operating Temperature (°F)	-40 to 350	-100 to 500	-100 to 500
Color	Rust	Rust	Rust

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

**Applications**—HP27283, HP27285 are ideal tapes for protecting extrusion and laminating equipment during the plastic extrusion coating process which combines plastic films with various substrates, most commonly paper. During this process, are extruded onto the substrate as it

passes between a neoprene roller and a cooling roller. Hi-Performance Products, Inc. HP27283 and HP27285 are used as a roller wrapping tape to protect the exposed ends of the neoprene roller from the molten plastic which is over-coated wider than the substrate.

**Features/Benefits**—The high-temperature resistance and anti-stick properties of PTFE make HP27283, HP27285 ideal products to be used as a

release surface. Extremely durable and abrasion resistant, they will not curl or wrinkle making it long-wearing and easy to apply. They will not leave an adhesive residue when removed, resulting in less equipment down time.

**Availability**—HP27283, HP27285 are available in 2 and 5 mil thicknesses. Factory stock is in master rolls 36 yards by 10". Rolls can be slit in widths from 1/4" to 10". This material can also be supplied with a release liner if needed.

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