

HPR Series

SKIVED PTFE TAPE

HPP Performance HPR-Series is a highly modified skived PTFE (Polytetrafluoroethylene) film coated with a high temperature, pressure sensitive acrylic or silicone adhesive.

Typical Properties

Product	HPR233	HPR253
Backing Material	Calendared Resintered Skived PTFE Film	Calendared Resintered Skived PTFE Film
Adhesive Type	Acrylic	Silicone
Total Thickness (in.)	.005	.005
Backing Thickness (in.)	.003	.003
Adhesive Thickness (in.)	.002	.002
Adhesion to Steel (oz./in.)	30	25
Tensile Strength (lbs./in.)	40	40
Elongation (% at break)	150+	150+
Dielectric Strength (volts)	11,000+	11,000+
Operating Temperature (°F)	-40 to 350	-40 to 500

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

Applications—HPR-Series Tapes are ideal 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.

HPR-Tapes 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 Teflon® allow these products to be used as a release surface. Extremely durable and abrasion resistant as a result of patented modifications to the

polymer during processing, HPR-Tapes will not curl or wrinkle. They are long-wearing and easy to apply. These tapes will not leave an adhesive residue when removed, resulting in less equipment down time.

Availability—Available in mil thicknesses listed above. Factory stock for HPR-Tapes is in master rolls 36 yards by 15 inches. Rolls can be slit in widths from 1/4" to 15". This material can also be supplied with a release liner if needed.

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