

HPHM350/HPHM426

FILM-PTFE (SKIVED, HIGH-MODULUS)

HPP Performance HPPSTIK HPHM350 and HPHM426 are manufactured from modified high-modulus PTFE (polytetrafluoroethylene) film coated with high-temperature silicone adhesive.

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Typical Properties

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Product Number	HPHM350	HPHM426
Backing Material	Film-PTFE	Film-PTFE
Adhesive Type	Silicone	Silicone
Total Thickness (in.)	.0035	.0035
Backing Thickness (in.)	.0020	.0020
Adhesive Thickness (in.)	.0015	.0015
Adhesion to Steel (oz./in.)	25	25
Tensile Strength (lbs./in.)	25	25
Dielectric Strength (volts)	8000	7000
Direct Electrolytic Corr.	1.0	1.0
Elongation (% at break)	150	150
Operating Temperature (°F)	-100 to 500	-100 to 500
Insulation Class (°C)	180	180
Color	White	Gray

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

Applications—HPHM350 and HM426 are often used as masking during metal bonding, roll covering on plastic extruders, and for fine wire harnesses.

Features/Benefits—The PTFE film is subjected to a special process that lowers its elongation and increases its breaking strength for easier handling. One side has a silicone pressure sensitive adhesive and the other side offers low coefficient of friction PTFE film, which is thin and conformable. PTFE backing offers excellent high temperature resistance and is chemically inert. This tape construction is weather resistant, stable and non-toxic. HPHM350 and HM426 can be ordered to meet the requirements of MIL-I-23594C Type 1, Class 1.

Availability—Factory stock for HPHM350 is in master log form 36 yards long x 18" wide, HPHM426 is 16" wide. Rolls can be slit 1/2" wide to 18" wide. For slit rolls under 1/2" wide, High Performance recommends 18 yard length rolls. Available with or without a liner.

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