

HM350/HM426

FILM-PTFE (SKIVED, HIGH-MODULUS)

Saint-Gobain Performance Plastics CHR® HM350 and HM426 are manufactured from modified high-modulus PTFE (polytetrafluoroethylene) film coated with high-temperature silicone adhesive.

Typical Properties

Product Number	HM350	HM426
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—HM350 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. HM350 and HM426 can be ordered to meet the requirements of MIL-I-23594C Type 1, Class 1.

Availability—Factory stock for HM350 is in master log form 36 yards long x 18" wide, HM426 is 16" wide. Rolls can be slit 1/2" wide to 18" wide. For slit rolls under 1/2" wide, Saint-Gobain Performance Plastics recommends 18 yard length rolls. Available with or without a liner.

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation 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). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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