

CHR® HM350/HM426

Skived, High Modulus PTFE Pressure Sensitive Adhesive Tape

CHR HM350 and HM426 are manufactured from modified high-modulus PTFE film coated with high-temperature silicone adhesive.

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. **CHR** HM350 and HM426 can be ordered to meet the requirements of MIL-I-23594C Type 1, Class 1. **CHR** HM352 has the same physical properties as HM350 but features a top surface which has been specially treated to make it bondable.

Availability

Factory stock for both **CHR** HM350 and HM426 is in master log form 33 m x 737 mm (36 yd x 29 in) wide. Rolls can be slit 12.7 mm to 737 mm (0.5 in to 29 in) wide. For slit rolls under 12.7 mm (0.5 in) wide, **Saint-Gobain®** recommends 16.5 m (18 yd) length rolls. Available with or without a liner.

Applications

CHR HM350 and HM426 are often used as masking during metal bonding, roll covering on plastic extruders, and for fine wire harnesses industry in their repair shops as well as in other markets where thermal spraying is used.



CHR HM350/HM426 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	HM350	HM426
Backing Material	Film-PTFE	Film-PTFE
Adhesive Type	Silicone	Silicone
Total Thickness mm (mil)	0.089 (3.5)	0.089 (3.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	2.7 (25)	2.7 (25)
Tensile Strength N/cm (lb/in)	44 (25)	44 (25)
Elongation (% at break)	150	150
Dielectric Strength (volts)	8,000	8,000
Direct Electrolytic Corr.	1.0	1.0
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Insulation Class (°C)	180	180
Colour	White	Grey

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

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