

CHR[®] HM430/HM650

White, 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

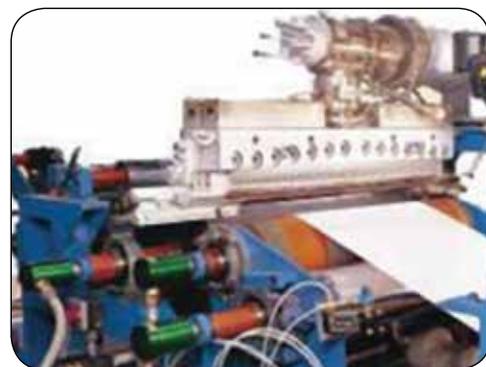
The film of both **CHR** HM430 and HM650 has been subjected to a special process that lowers its elongation and increases its breaking strength for easier handling. One side has an acrylic/silicone pressure sensitive adhesive and the other side offers low coefficient of friction film, which is thin and conformable. The backing offers excellent high temperature resistance and is chemically inert. This tape construction is weather resistant, stable and non-toxic. **CHR** HM650 meets the requirements of MIL-I-23594C Type 1, Class 4.

Availability

Factory stock for **CHR** HM430 is in master log form 33 m x 737 mm (36 yd x 29 in) wide and HM650 is 33 m x 483 mm (36 yd x 19 in) wide. Rolls can be slit 12.7 mm (0.5 in) to full width. For slit rolls under 12.7 mm wide, **Saint-Gobain**[®] recommends 16.5 m (18 yd) length rolls. They are available with or without a liner.

Applications

CHR HM430 and HM650 are often used as masking during metal bonding, roll covering on plastic extruders, and for fine wire harnesses. They are chosen for lay flat operations where anti-friction properties and solvent resistance are required.



CHR HM430/HM650 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	HM430	HM650
Backing Material	Film-PTFE	Film-PTFE
Adhesive Type	Acrylic	Silicone
Total Thickness mm (mil)	0.089 (3.5)	0.165 (6.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.127 (5.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	2.7 (25)	3.3 (30)
Tensile Strength N/cm (lb/in)	44 (25)	44 (25)
Elongation (% at break)	150	200
Dielectric Strength (volts)	8,000	13,500
Direct Electrolytic Corr.	1.0	1.0
Operating Temperature °C (°F)	-29 to +177 (-20 to +350)	-73 to +260 (-100 to +500)
Insulation Class (°C)	155	180
Colour	White	White



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