

CHR[®] HM352

Skived, High Modulus PTFE Pressure Sensitive Adhesive Tape

CHR HM352 is manufactured by **Saint-Gobain**[®] Performance Plastics Corporation, Tape Solutions business, and comes with modified high-modulus PTFE film coated with silicone adhesive and treated on the backside for improved bondability that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

CHR HM352's most outstanding properties are its high dielectric and tensile strength, which make it an extremely durable insulation tape. The high heat range properties of the PTFE and silicone adhesive noted in this data sheet allow HM352 to perform in continuous temperatures up to 260°C (500°F). As high-modulus tape, **CHR** HM352 also exhibits a low elongation ability which enables it to be applied with automatic wrapping equipment. The other outstanding features of HM352 include chemical inertness as well as low-friction, anti-stick and non-toxic properties, making it the right material for numerous applications. HM352 meets MIL-I-23594C U.S. Government specifications, which is superseded by MIL Spec, A-A-59474 Type 2.

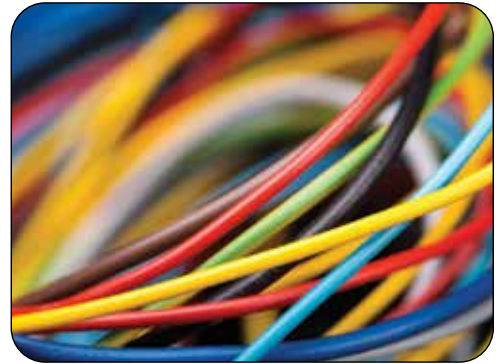
Availability

Factory stock for HM352-2E and HM352-3E is in master log form 33 m × 584 mm (36 yd × 23 in). Rolls can be slit in widths ranging from 6.35 mm (0.25 in) to full width.

Applications

The excellent dielectric properties of this product combined with its high-temperature adhesive coating make HM352 an excellent choice as a high-temperature insulation product.

CHR HM352 is used in phase insulation for bundling end turns, spot bundling and anchoring breakouts. The aerospace industry also uses HM352 to protect airframe wire harnesses.



CHR HM352 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	HM352-2E	HM352-3E
Backing Material	Film-PTFE	Film-PTFE
Adhesive Type	Silicone	Silicone
Total Thickness mm (mil)	0.089 (3.5)	0.114 (4.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.076 (3.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	3.8 (35)
Tensile Strength N/cm (lb/in)	53 (30)	79 (45)
Dielectric Strength (volts)	9,000	11,000
Elongation (% at break)	150	175
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Color	Grey	Grey

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