

CHR[®] 2242-5ER

Extruded PTFE Pressure Sensitive Adhesive Tape

Saint-Gobain[®] CHR 2242-5ER is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with our own 125 μ (5.0 mil) high modulus, sintered extruded PTFE Films with 25 μ (1.0 mil) of pressure sensitive acrylic adhesive and a backside treated for improved self-bonding in a wrapping application.

Features/Benefits

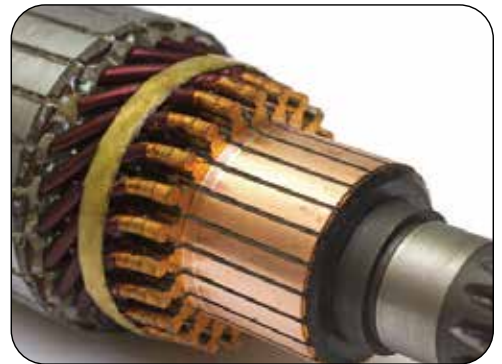
CHR 2242-5ER is a durable product with high dielectric strength. Acrylic adhesive systems are intended to provide some of the highest bond strength in a pressure sensitive adhesive tape, especially when wrapped upon itself. The PTFE backing offers excellent high temperature resistance, chemically inert, a high modulus offering mechanical protection and a high dielectric breakdown strength. **CHR 2242-5ER** construction is weather resistant, stable and non-toxic. A wide range of adhesives and coatings may be bonded to the backside of 2242-5ER.

Availability

Factory stock for **CHR 2242-5ER** is in master log form 33 m long \times 279 mm (36 yd \times 11 in) wide. Full length rolls can be slit down to 12 mm (0.5 in) wide. Slit rolls less than 12 mm (0.5 in) wide are available in 16.5 m (18 yd) rolls only. Typical rolls for wrapping and splicing applications are offered on a 25 mm (1.0 in) ID core. **CHR 2242-5ER** is only available with a liner.

Applications

CHR 2242-5ER is used for magnet coils, transformer insulation and power cable field splicing. Due to its high dielectric strength, it is typically used in high power applications requiring the chemical, thermal and environmental protection of PTFE. These rigorous electrical insulation applications include electrical submersible pump motors and motor lead extensions especially as secondary field splicing tape.



CHR 2242-5ER 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	2242-5ER
Backing Material	Film-Extruded PTFE
Adhesive Type	Acrylic
Total Thickness mm (mil)	0.150 (6.0)
Backing Thickness mm (mil)	0.125 (5.0)
Adhesive Thickness mm (mil)	0.025 (1.0)
Adhesion to Steel N/cm (oz/in)	3.3 (30)
Tensile Strength N/cm (lb/in)	35 (20)
Dielectric Strength (volts)	11,000
Elongation (% at break)	250
Operating Temperature °C (°F)	-40 to +135 (-40 to +275)
Colour	White

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