

CHR[®] X.50

Nomex[®] Pressure Sensitive Adhesive Tape

CHR X.50 is manufactured from DuPont Nomex coated with an aggressive solvent resistant acrylic pressure sensitive adhesive.

Features/Benefits

Designed for high temperature electrical applications where a thin, strong and puncture resistant backing is required.

CHR X.50 is chemical resistant. Nomex guarantees high absorption properties. **CHR X.50** meets the Underwriters Laboratories, Inc. Guide File OANZ2.E178430 and is recognized by UL Electrical Insulating Systems.

Availability

CHR X.50 is available in master rolls 889 mm × 55 m (35 in × 60 yd).

Rolls can be slit down to widths of 6.35 mm (0.25 in).

Applications

- Phase insulation of electrical motors, generators, etc
- Outer wrapping, tabbing and anchoring leads of electrical transformers, coils, etc.



CHR X.50 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	X.50
Backing Material	Nomex
Adhesive Type	ACR
Backing Thickness mil (μm)	2.0 (50)
Adhesive Thickness mil (μm)	2.0 (50)
Overall Thickness mil (μm)	3.9 (100)
Adhesion Strength* oz/in (N/cm)	50 (5.5)
Tensile Strength lbs/in (N/cm)	20 (35)
Elongation (% at break)	5
Dielectric kv	2.5
UL File	E178430
Insulation Class $^{\circ}\text{C}$	155
Short Time $^{\circ}\text{C}$	180
Log Width inches (mm)	36 (914)
Color	White

*Peel adhesion at 180 degrees on steel.

Shelf Life

12 months from date of sale when stored in original packaging at 21 $^{\circ}\text{C}$ (70 $^{\circ}\text{F}$) and 50% relative humidity.



Saint-Gobain Tape Solutions

North America | South America | Europe | Asia

For a full list of locations, please visit
tapesolutions.saint-gobain.com/contact-us

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain 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.

WARRANTY: For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form #1542 | © Saint-Gobain (August 2018) | CHR and CHRTape are trademarks of Saint-Gobain | Nomex is registered and owned by Dupont