

CHR® X.50

Nomex® Pressure Sensitive Adhesive Tape

CHR X.50 is manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, and comes from DuPont Nomex coated with an aggressive solvent resistant acrylic pressure sensitive adhesive.

Features/Benefits

Intended for electrical applications that can sustain high heat ranges as noted in this data sheet 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.

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