



CHR® GF SERIES

Glass Filament Reinforced Pressure Sensitive Adhesive Tape

CHR PS.30, PS.25, and PS.249 are manufactured from high performance glass fiber reinforced, polyester film with acrylic pressure sensitive adhesive. **CHR** PG.70 consists of a glass fiber reinforced paper backing with acrylic pressure sensitive adhesive. **CHR** PR.25 and PR.30 are manufactured from high performance glass fiber reinforced, polyester film with thermosetting rubber pressure sensitive adhesive.

Features/Benefits

Superior tensile strength and adhesion coupled with excellent dielectric value makes these tapes ideal for providing a reinforcing functionality in electromagnetic devices. High resistance to oils, solvents and chemicals.

CHR PS.30, PS.25 and PS.249 are Class 155°C (Class F).

CHR PG.70, **CHR** PR.25 and **CHR** PR.30 are Class 130°C (Class B).

CHR PS.25, PS.30, PR.25 and PR.30 meet the Underwriters Laboratories, Inc. Guide File OANZ2.E178430 and are recognized by UL Electrical Insulating Systems.

Availability

CHR PR.25, PR.30, PS.30, PS.25 and PS.249 are available as master rolls 1000 mm × 55 m (39 in × 60 yd).

CHR PG.70 is available as master rolls 1200 mm × 55 m (47 in × 60 yd).

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

Applications

CHR PR.25, PS.25, PR.30, PS.249, and PG.70 are designed for heavy banding and holding applications, especially those found in large scale coil winding processes such as transformers, motors and generators. They are especially suited for heavy duty air and oil filled transformer applications, reinforcements, holding/separating and ground insulation.



CHR PR.25, PR.30, PS.25, PS.30, PS.249, PG.70 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	PR.25	PR.30	PS.25	PS.249	PS.30	PG.70
Backing Material	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber
Adhesive Type	Rubber-TS	Rubber-TS	Acrylic	Acrylic	Acrylic	Acrylic
Backing Thickness mil (μm)	3.3 (85)	3.9 (100)	3.3 (85)	3.3 (85)	3.9 (100)	6.1 (155)
Adhesive Thickness mil (μm)	1.4 (35)	2.8 (70)	2.8 (70)	3.0 (75)	2.8 (70)	3.7 (95)
Overall Thickness mil (μm)	4.7 (120)	6.7 (170)	6.1 (155)	6.3 (160)	6.7 (170)	9.8 (250)
Adhesion Strength* oz/in (N/cm)	23 (2.5)	37 (4)	59 (6.5)	37 (4)	55 (6)	27 (3)
Tensile Strength lbs/in (N/cm)	217 (380)	314 (550)	217 (380)	217 (380)	314 (550)	228 (400)
Elongation (% at break)	5	5	5	5	5	3
Dielectric kv	5	5	5	5	5	2
UL File	E178430	E178430	E178430	—	E178430	—
Insulation Class °C	130	130	155	155	155	130
Short Time °C	160	160	180	180	180	160
Log Width inches (mm)	39 (1000)	39 (1000)	39 (1000)	39 (1000)	39 (1000)	47 (1200)
Color	White	Clear	Clear	Clear	Clear	White

*Peel adhesion at 180 degrees on steel.

Shelf Life

12 months from date of sale when stored in original packaging at 21°C (70°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.

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