

CHR® GF SERIES

Glass Filament Reinforced Pressure Sensitive Adhesive Tape

CHR PS.30, PS.25, and PS.249 are manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, and come with high performance glass fiber reinforced, polyester film with acrylic pressure sensitive adhesive. **CHR** 6601 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 electromechanical equipment. The acrylic adhesives used on **CHR** PS.25 and 6601 are specially formulated for high resistance to transformer insulating oils. **CHR** PS.30, PS.25 and PS.249 are Class 155°C (Class F).

CHR 6601, PR.25 and 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** 6601 is available as a master roll 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 6601 are intended 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.



APPLICATIONS

- Transformers
- Motors
- Generators

CHR PR.25, PR.30, PS.25, PS.30, PS.249, 6601 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	6601
Backing Material	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	PET + Glass Fiber	Paper + 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)	5.1 (130)
Adhesive Thickness mil (μm)	1.4 (35)	2.8 (70)	2.8 (70)	3.0 (75)	2.8 (70)	4.1 (105)
Overall Thickness mil (μm)	4.7 (120)	6.7 (170)	6.1 (155)	6.3 (160)	6.7 (170)	9.2 (235)
Adhesion Strength* oz/in (N/cm)	23 (2.5)	37 (4)	59 (6.5)	37 (4)	55 (6)	59 (6.5)
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	7
Dielectric kv	5	5	5	5	5	2.6
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	Cream

*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.

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 your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain's sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

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 OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

Form #1536 | © Saint-Gobain February 2025 | All the mentioned trademarks are registered trademarks of Saint-Gobain Tape Solutions or affiliates, part of Saint-Gobain group.



TAPE SOLUTIONS

North America | South America
Europe | Asia

For more information, please visit
tapesolutions.saint-gobain.com