

# CHR<sup>®</sup> P SERIES

## Polyester Pressure Sensitive Adhesive Tape

**CHR** P.31, P.315, P.34, and P.36 are manufactured by **Saint-Gobain<sup>®</sup>** Performance Plastics Corporation, Tape Solutions business, and come with high quality Polyester (PET) with pressure sensitive adhesive including Thermosetting Rubber and Acrylic.

### Features/Benefits

High tack with good adhesion on many types of materials, excellent conformability, breakdown voltage and tensile strength. Good compatibility to varnishes and resins. **CHR** P.31, P.315, P.34 and P.36 meet the Underwriters Laboratories, Inc. Guide File OANZ2.E178430 and are recognized by UL Electrical Insulating Systems.

**CHR** P.36 complies with UL 510 for flame retardance.

### Availability

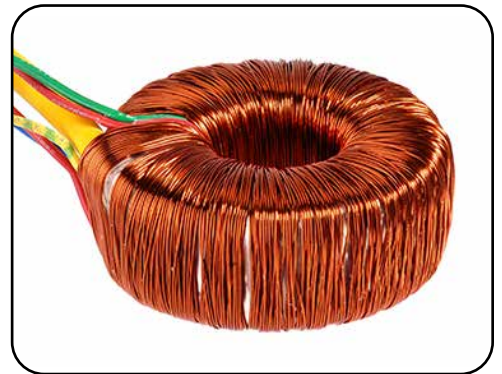
**CHR** P.31 and P.34 are available in master rolls 1280 mm × 66 m (50 in × 72 yd).

**CHR** P.36 and P.315 are available in master rolls 1000 mm × 66 m (39 in × 72 yd).

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

### Applications

- Motor and Transformer Insulation (typical in smaller dry type transformers or toroidal coils)
- Capacitors and bobbins



**CHR P.31, P.315, P.34, P.36 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	P.31	P.315	P.34	P.36
Backing Material	PET	PET	PET	PET
Adhesive Type	R-TS	R-TS	ACR	ACR
Backing Thickness mil ( $\mu\text{m}$ )	0.9 (23)	2.0 (50)	0.9 (23)	0.9 (23)
Adhesive Thickness mil ( $\mu\text{m}$ )	1.5 (37)	1.5 (37)	1.5 (37)	1.8 (45)
Overall Thickness mil ( $\mu\text{m}$ )	2.4 (60)	3.4 (87)	2.4 (60)	2.7 (68)
Adhesion Strength* oz/in (N/cm)	46 (5)	55 (6)	23 (2.5)	41 (4.5)
Tensile Strength lbs/in (N/cm)	23 (40)	40 (70)	23 (40)	23 (40)
Elongation (% at break)	80	100	80	80
Dielectric kv	4.5	7	4.5	4.5
UL File	E178430	E178430	E178430	E178430
Insulation Class $^{\circ}\text{C}$	130	130	130	130
Short Time $^{\circ}\text{C}$	160	160	180	180
Log Width inches (mm)	50 (1280)	39 (1000)	50 (1280)	39 (1000)
Color**	Yellow/clear	Yellow	Clear	White
Comments	Good adhesion and initial tack.	Good adhesion and initial tack. Excellent tensile strength.	Good adhesion and initial tack. Chemical resistant.	Flame Retardant and Printable.

\*Peel adhesion at 180 degrees on steel. \*\*Additional colors available upon request.

**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.

**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 #1538 | © 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 | AsiaFor more information, please visit  
[tapesolutions.saint-gobain.com](http://tapesolutions.saint-gobain.com)