

# CHR<sup>®</sup> P SERIES

## Polyester Pressure Sensitive Adhesive Tape

**CHR** P.31, P.315, P.34, and P.36 are manufactured from 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

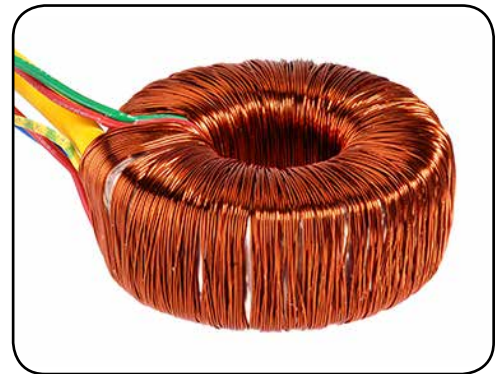
**CHR** P.31 and P.34 are available in master rolls 1280 mm × 66 m (50 in × 72 yd).

**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 °C	130	130	130	130
Short Time °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°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](http://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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