

CHR[®] 2045

Skived PTFE Pressure Sensitive Adhesive Tape

CHR 2045 is manufactured from skived PTFE film coated with high-temperature silicone adhesive.

Features/Benefits

One side of 2045 has a silicone pressure sensitive adhesive and the other side offers low coefficient of friction PTFE film, which is thin and conformable. PTFE backing offers excellent high temperature resistance and is chemically inert. The tape construction is stable and non-toxic.

Availability

Factory stock for 2045 is in master roll form 33 m × 254 mm (36 yd × 10 in) for 2045-2, 33 m × 432 mm (36 yd × 17 in) for 2045-3, and 33 m × 584 mm (36 yd × 23 in) for 2045-5 and 2045-10. Rolls can be slit 12.7 mm wide through 279 mm (2045-2), 432 mm (2045-3) and 584 mm (2045-5 and 2045-10). 2045 is available with and without a liner.

Applications

CHR 2045 is often used as an excellent release surface on packaging equipment and heat sealing machines, roll coverings on plastic extruders, guide rails, and angle bars in the graphic arts industry.



CHR 2045 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	2045-2	2045-3	2045-5	2045-10
Backing Material	Film-PTFE	Film-PTFE	Film-PTFE	Film-PTFE
Adhesive Type	Silicone	Silicone	Silicone	Silicone
Total Thickness mm (mil)	0.089 (3.5)	0.114 (4.5)	0.165 (6.5)	0.292 (11.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.076 (3.0)	0.127 (5.0)	0.254 (10.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	3.8 (35)	4.4 (40)	5.5 (50)
Tensile Strength N/cm (lb/in)	26 (15)	35 (20)	53 (30)	96 (55)
Dielectric Strength (volts)	7,500	9,500	13,000	19,500
Elongation (% at break)	325	350	400	450
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Colour	Grey	Grey	Grey	Grey



Saint-Gobain Tape Solutions

North America | South America | Europe | Asia

For a full list of locations, please visit
[tapesolutions.saint-gobain.com/contact-us](https://www.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.

Form #1146 | © Saint-Gobain April 2018 | **CHR** and **CHRTape** are trademarks of Saint-Gobain.