

CHR[®] 2045

Skived PTFE Pressure Sensitive Adhesive Tape

CHR 2045 is manufactured by **Saint-Gobain**[®] Performance Plastics Corporation, Tape Solutions business, and comes from skived PTFE film coated with silicone adhesive that can sustain high heat ranges as noted in this data sheet.

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 resistance that can sustain high heat ranges as noted in this data sheet 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)	200	250	300	350
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

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