

CHR[®] 2283/2285

Extruded, Oriented, High Modulus PTFE Pressure Sensitive Adhesive Tape

CHR 2283 and **2285** are manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and come with extruded, oriented, high-modulus PTFE film coated with pressure-sensitive adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

The resistance of high heat ranges as noted in this data sheet and anti-stick properties of PTFE make **CHR 2283** and **2285** ideal products to be used as a release surface. Extremely durable and abrasion resistant, they will not curl or wrinkle making it long-wearing and easy to apply. They will not leave an adhesive residue when removed, resulting in less equipment down time.

Availability

Factory stock is in master rolls 33 m × 254 mm (36 yd × 10 in). Rolls can be slit in widths from 6.35 mm to 254 mm (0.25 in to 10 in). This material can also be supplied with a release liner if needed.

Applications

CHR 2283 and **2285** are ideal tapes for protecting extrusion and laminating equipment during the plastic extrusion coating process which combines plastic films with various substrates, most commonly paper. During this process, plastics are extruded onto the substrate as it passes between a neoprene roller and a cooling roller. **Saint-Gobain CHR 2283** and **2285** are used as a roller wrapping tape to protect the exposed ends of the neoprene roller from the molten plastic which is over-coated wider than the substrate.



CHR 2283/2285 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	2283-2	2285-2	2285-5
Backing Material	Film-PTFE	Film-PTFE	Film-PTFE
Adhesive Type	Acrylic	Silicone	Silicone
Total Thickness mm (mil)	0.102 (4.0)	0.089 (3.5)	0.165 (6.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)	0.127 (5.0)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	3.3 (30)	4.4 (40)
Tensile Strength N/cm (lb/in)	53 (30)	53 (30)	131 (75)
Dielectric Strength (volts)	10,000	9,000	16,000
Elongation (% at break)	150	175	200
Operating Temperature °C (°F)	-40 to +177 (-40 to +350)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Color	Rust	Rust	Rust

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