

2283/2285

FILM-PTFE (EXTRUDED, ORIENTED, HIGH-MODULUS)

Saint-Gobain Performance Plastics CHR® 2283 and 2285 are manufactured from extruded, oriented, high-modulus PTFE (polytetrafluoroethylene) film coated with high-temperature pressure-sensitive adhesive.

Typical Properties

Product Number	2283-2	2285-2	2285-5
Backing Material	Film-PTFE	Film-PTFE	Film-PTFE
Adhesive Type	Acrylic	Silicone	Silicone
Total Thickness (in.)	.0040	.0035	.0065
Backing Thickness (in.)	.0020	.0020	.0050
Adhesive Thickness (in.)	.0020	.0015	.0015
Adhesion to Steel (oz./in.)	30	30	40
Tensile Strength (lbs./in.)	30	30	75
Dielectric Strength (volts)	10000	9000	16000
Elongation (% at break)	150	175	200
Operating Temperature (°F)	-40 to 350	-100 to 500	-100 to 500
Color	Rust	Rust	Rust

Values shown are typical. Certified test reports for writing specifications are available.

Applications—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 Performance Plastics 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.

Features/Benefits—The high-temperature resistance and anti-stick properties of PTFE make 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—2283 and 2285 are available in 2 and 5 mil thicknesses. Factory stock is in master rolls 36 yards by 10". Rolls can be slit in widths from 1/4" to 10". This material can also be supplied with a release liner if needed.

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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