

CHR[®] 2300

UHMW Pressure Sensitive Adhesive Tape

CHR 2300 is manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and comes with UHMW (Ultra High Molecular Weight) polyolefin film coated with rubber adhesive.

Features/Benefits

CHR 2300 exhibits excellent abrasion resistance and it has a low coefficient of friction, making it an excellent protection for surfaces or bearings that experience heavy wear. **CHR 2300** is more economical than PTFE tapes. The high heat ranges as noted in this data sheet and high-tack rubber adhesive adheres readily to most dry, clean surfaces, firmly anchoring the product in place.

Availability

Factory stock for 2300 is in master rolls 33 m × 610 mm (36 yd × 24 in). Rolls can be slit in widths from 6.35 mm to 610 mm (0.25 in to 24 in). This product is supplied with a film inter-liner, which protects the adhesive, facilitates die cutting and peels off easily.

Applications

CHR 2300 tapes are intended to provide an abrasion-resistant, anti-stick, anti-friction surface at temperatures up to 107°C (225°F). **CHR 2300** is frequently used to line chutes and conveyors. **CHR 2300** is often applied to guide rails to reduce noise levels in glass bottling plants. This tape is also used to replace desk drawer bearings to provide silky smooth, friction-free drawer movement.



CHR 2300 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	2300-5R	2300-10R
Backing Material	Film-UHMW	Film-UHMW
Adhesive Type	Thermosetting Rubber	Thermosetting Rubber
Total Thickness mm (mil)	0.178 (7.0)	0.305 (12.0)
Backing Thickness mm (mil)	0.127 (5.0)	0.254 (10.0)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	6.0 (55)	6.0 (55)
Tensile Strength N/cm (lb/in)	70 (40)	140 (80)
Elongation (% at break)	350	425
Taber Abrasion Resistance (Mg.)	0.4 Max. @ 1000 gm. Load and 1000 Revolutions	0.4 Max. @ 1000 gm. Load and 1000 Revolutions
Coefficient of Kinetic Friction	0.11 to 0.25	0.11 to 0.25
Operating Temperature °C (°F)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)
Colour	Natural	Natural

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