

CHR[®] 2312

BLACK UHMW Pressure Sensitive Adhesive Tape

CHR 2312 is manufactured from BLACK UHMW (Ultra High Molecular Weight) polyethylene film coated with shear resistant pressure sensitive acrylic adhesive.

Features/Benefits

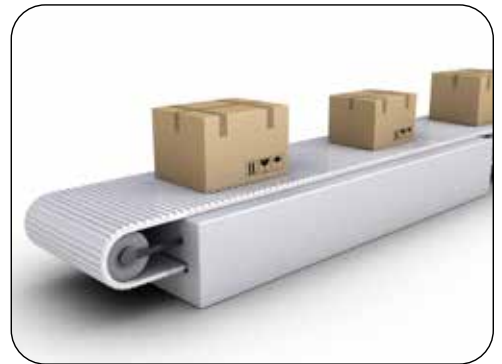
CHR 2312 exhibits excellent abrasion resistance and a low coefficient of friction, making it an excellent protection layer for wear surfaces. **CHR 2312** is resistant to UV embrittlement, and is suitable for exterior applications. The high-temperature, high-tack acrylic adhesive has been formulated for high shear resistance, and adheres readily to most dry, clean surfaces.

Availability

Factory stock for 2312 is in master log form 33 m × 889 mm (36 yd × 35 in). Rolls can be slit in widths ranging from 6.35 mm to 889 mm (0.25 in to 35 in). The product is supplied with a blue poly-film inter-liner, which protects the adhesive, facilitates die cutting, and peels off easily. Craft paper liner is also available upon request.

Applications

CHR 2312 can be used to provide an abrasion-resistant, anti-stick, anti-friction surface at temperatures up to 107°C. It is frequently used to protect high speed line chutes and conveyors, especially where UV and static resistance are required.



CHR 2312 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	2312-5R	2312-10R	2312-12R	2312-20R
Backing Material	Film-UHMW	Film-UHMW	Film-UHMW	Film-UHMW
Adhesive Type	Acrylic	Acrylic	Acrylic	Acrylic
Total Thickness mm (mil)	0.165 (6.5)	0.292 (11.5)	0.343 (13.5)	0.546 (21.5)
Backing Thickness mm (mil)	0.127 (5.0)	0.254 (10.0)	0.305 (12.0)	0.508 (20.0)
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)	4.9 (45)	5.5 (50)	5.5 (50)	5.5 (50)
Tensile Strength N/cm (lb/in)	70 (40)	140 (80)	140 (80)	254 (145)
Elongation (% at break)	350	425	425	500
Operating Temperature °C (°F)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)	-40 to +107 (-40 to +225)
Colour	Black	Black	Black	Black
Density (UHMW Film), g/cm ³ (lb/ft ³)	0.9 to 1.0 (56 to 62)	0.9 to 1.0 (56 to 62)	0.9 to 1.0 (56 to 62)	0.9 to 1.0 (56 to 62)
Surface Resistivity (ohms/in ²)	10 ⁶ to 10 ⁹	10 ⁶ to 10 ⁹	10 ⁶ to 10 ⁹	10 ⁶ to 10 ⁹

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