



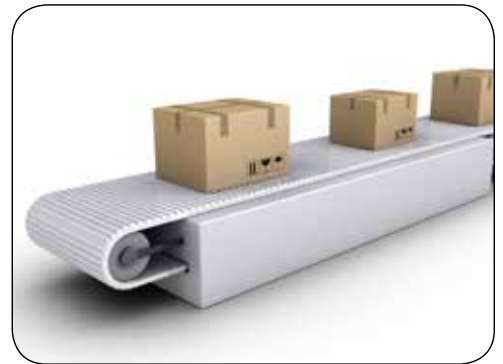
CHR[®] 2312

BLACK/NAT UHMW Pressure Sensitive Adhesive Tape

CHR 2312 is manufactured from BLACK/NAT UHMW (Ultra High Molecular Weight) polyethylene film coated with sheer 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 x 889 mm (36 yd x 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 | 2312-3R | 2312-5R | 2312-10R | 2312-12R | 2312-20R |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Backing Material | Film-UHMW | Film-UHMW | Film-UHMW | Film-UHMW | Film-UHMW |
| Adhesive Type | Acrylic | Acrylic | Acrylic | Acrylic | Acrylic |
| Total Thickness mm (mil) | 0.114 (4.5) | 0.165 (6.5) | 0.292 (11.5) | 0.343 (13.5) | 0.546 (21.5) |
| Backing Thickness mm (mil) | 0.076 (3.0) | 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) | 0.038 (1.5) |
| Adhesion to Steel N/cm (oz/in) | 3.8 (35) | 4.9 (45) | 5.5 (50) | 5.5 (50) | 5.5 (50) |
| Tensile Strength N/cm (lb/in) | 35 (20) | 70 (40) | 140 (80) | 140 (80) | 254 (145) |
| Elongation (% at break) | 300 | 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) | -40 to +107 (-40 to +225) |
| Colour | Black/NAT | Black/NAT | Black/NAT | Black/NAT | Black/NAT |
| 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) | 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 | 10 ⁶ to 10 ⁹ |



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