

Technical Data Sheet

Protectolast® VCI Shrink Film

VCI-SFM-180



Product Overview

Protectolast® VCI Shrink Film utilizes cutting-edge film technology to deliver exceptional corrosion protection for your metal products. By encasing your items in VCI Shrink Film, you can safeguard various metals from rust, tarnish, stains, white rust, and oxidation for up to five years. It's as simple as wrapping your product in VCI Shrink Film

Protectolast® VCI Shrink Film offers a modern alternative to traditional rust preventatives like oils and desiccants. It also helps you save on costs by eliminating the need for degreasing or coating removal, allowing your product to be used immediately. The film's transparency ensures easy identification of parts.

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|-------------------|-----------------------------------------------------------------------------|
| Product Code | VCI-SFM-180 |
| Application | Multi-Metal Protection (Ferrous metals, Copper, Aluminum & other metals) |
| Minimum Thickness | 180 µm |
| Maximum Width | 3000 mm |
| Shelf Life | 2 Years |

| PARAMETER | UNIT | VALUE | TESTING STANDARD |
|-------------------------------------|----------------|-----------------------|------------------|
| Tensile Strength (MD) | MPa | ≥ 12 | GB/T 1040.3 |
| Tensile Strength (CD) | MPa | ≥ 12 | |
| Elongation at break (MD) | % | ≥ 400 | |
| Elongation at break (CD) | % | ≥ 400 | |
| Right Angle Tear Strength (MD) | kN/m | ≥ 50 | QB/T 1130 |
| Right Angle Tear Strength (CD) | kN/m | ≥ 50 | |
| Shrinkage (MD) | % | 45-70 | GB/T 13519 |
| Shrinkage (MD) | % | 30-45 | |
| Shrinkage Ratio | | ≤ 2 | |
| Vapor Inhibiting Ability (VIA) Test | | Grade 0 or Grade 1 | GB/T 16267 |
| Contact Corrosivity Test | Grade 10 Steel | Grade 0 or Grade 1 | GB/T 16266 |
| | LY12 Aluminum | Grade 0 or Grade 1 | |
| Alternate Humidity & Heat Test | H62 Brass | 7 Cycle Qualification | GB/T 2423.4 |