

General Information

706-2 1 Ply Black PVC 120 Roughtop C X FS

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| MWR Part# | 706-2 |
| Description | 1 Ply Black PVC 120 Roughtop C X FS |
| Product Category | Heavy Conveyor Belts |
| Additional Specifications | H250000672 A120RT-B |
| Main industry segments | Airport, Distribution centers, Parcel distribution / Overnight carrier |
| Applications | Acceleration, Decline, Incline, Induction, Metering/singulation |
| Special features | Flame retardant, High coefficient of friction surface, High grip surface, High strength, Low friction running side, Temperature variation resistant |



Product Construction Design

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| Conveying side material | Polyvinylchloride (PVC) |
| Conveying side surface | Roughtop |
| Conveying side property | Adhesive |
| Conveying side color | Black |
| Traction layer (material) | Polyester (PET) |
| Number of Fabrics | 1 |
| Pulley side material | Polyester fabric (PET) impregnated with polyvinylchloride (PVC) |
| Pulley side surface | Fabric |
| Pulley side property | Non-adhesive |
| Pulley side color | Black |

Product Characteristics

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| Antistatically equipped | No |
| Adhesive free joining method | Yes |
| Flammability | Flame retardant to ASTM D-378 |
| Food suitability, FDA conformance | No |
| Food suitability, USDA recommendations | No use intended |

Technical Data

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| Thickness of belt | 5.8 mm (0.23 inch) |
| Mass of belt (belt weight) | 4.7 kg/m ² (0.970 lb/sqft) |
| Tensile force for 1% elongation (k1% static) | 26 N/mm (150 lbf/in) |
| Tensile force for 1% elongation (k1% relaxed) | 10 N/mm (58 lbf/in) |
| Min. operating temperature admissible (continuous) | -23 °C (-10 °F) |
| Max. operating temperature admissible (continuous) | 82 °C (180 °F) |
| Coefficient of friction (pulley side / steel driving pulley) | 0.20 |
| Coefficient of friction (pulley side / driving pulley with friction) | 0.35 |
| Coefficient of friction (pulley side / pickled steel slider bed) | 0.25 |
| Coefficient of friction (pulley side/phenolic resin slider bed) | 0.20 |
| Coefficient of friction (pulley side/stainless steel slider bed) | 0.20 |
| Admissible tensile force per unit of width Clipper #2 | 19 N/mm (110 lbf/in) |
| Admissible tensile force per unit of width at max. temp | 9.8 N/mm (56 lbf/in) |
| Seamless manufacturing width | 1829 mm (72.00 inch) |

Joining Related Properties

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| Joining method | Clipper #2 (Master method), Flexproof 10 x 80 (Optional) |
| Pulley diameter (minimum) Clipper #2 | 79 mm (3.10 inch) |
| Pulley diameter (minimum) Flexproof 10 x 80 | 76 mm (3.00 inch) |
| Pulley diameter minimum with counter flection | 102 mm (4.00 inch) |

Application Suitability

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| Slider bed suitable | Yes |
| Carrying rollers suitable | Yes |
| Troughed, Powerturns, curved installation suitable | No |
| Knife-edge (nosebar) suitable | No |
| Low noise applications, Metal detector suitable | No |



Application specialists are ready to help — call 763-559-2551. On-site installation team available.

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