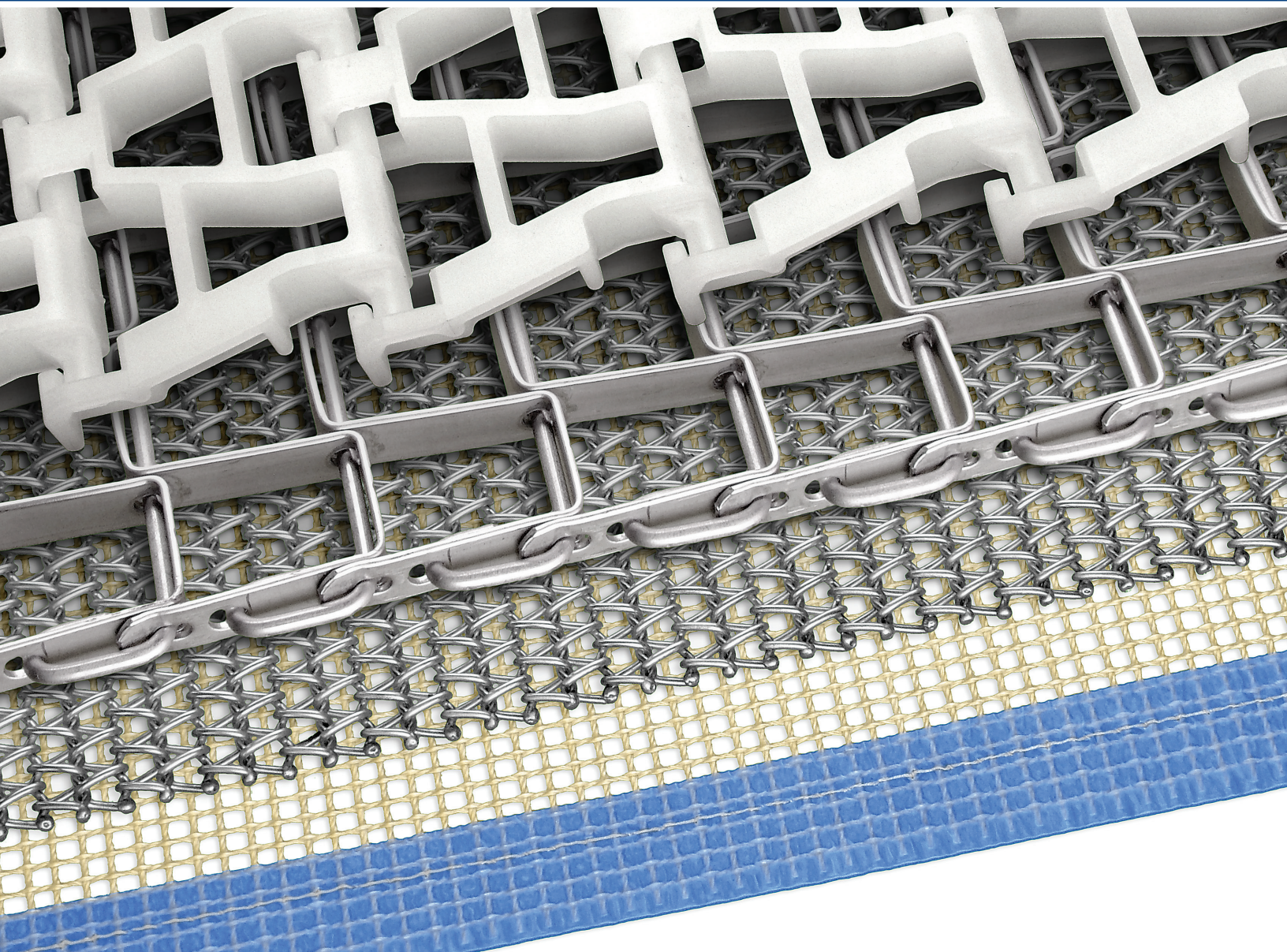


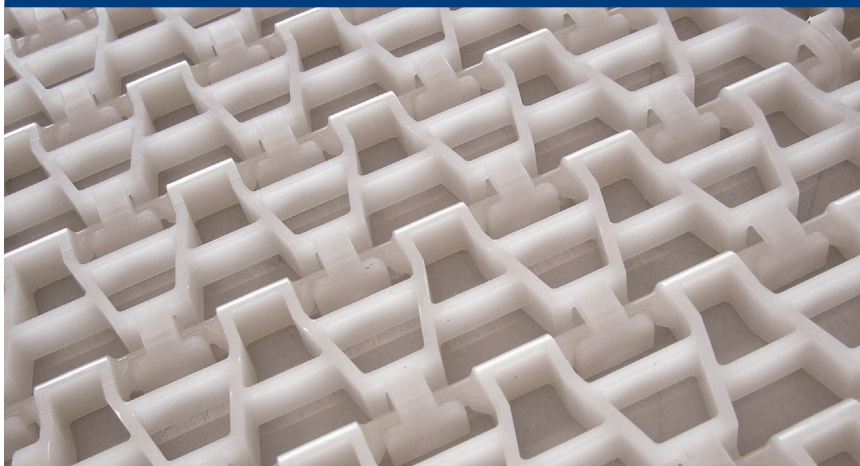
Can Making Conveyor Belts

Washer, IBO/OBO, & Dry-Off Oven Mats



With over 70 years innovating the future of conveyor belts, Ashworth is the trusted one-source supplier for can washer, IBO/OBO, and dry-off oven mats. Ashworth's products, customer service, and innovative solutions will help you maximize throughput and minimize life-cycle costs.

ChemGuard™ is the ultimate solution for critical washer hold-down applications. The open design provides maximum chemistry exposure, and the PVDF belt material resists hydrofluoric acid attack to prevent belt growth and breakage, increasing belt life from months to years.



Features & Benefits

Longer Belt Life & Efficient Performance

- PVDF belt material prevents chemical absorption that causes belt growth
- Years of expected belt life
- Large open area provides maximum exposure to the chemistry

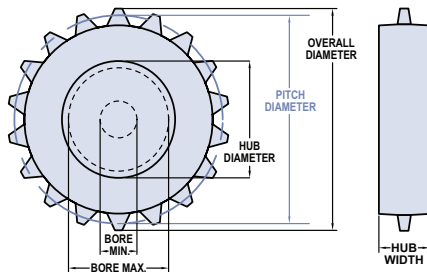
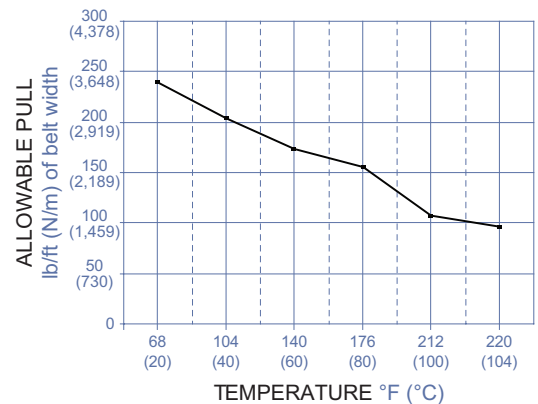
Lower Maintenance Costs & Safe Installation

- Replaces your Prestoflex hold-down mats and is driven by your current sprockets
- Easy to assemble and repair with unique connectorless construction
- Smooth edges prevent hand cuts and injuries during handling

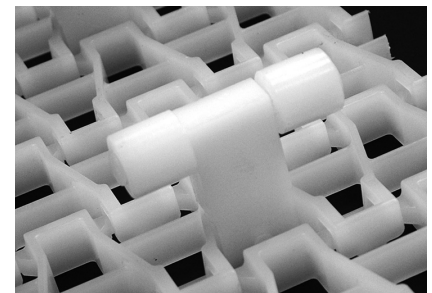
| Specification | Units | |
|---------------------------|--|--|
| Material | | Polyvinylidene Fluoride (PVDF) |
| Pitch | | 2.00 (50.8) |
| Thickness | in (mm) | 0.63 (16.0) |
| Available Widths* | | 6.00 - 96.00 (152.4 - 2438.4) |
| Conveying Surface | | Full belt width |
| Weight | lb/ft ² (kg/m ²) | 1.47 (7.2) |
| Open Area | % | 55 |
| Maximum Temperature | | 212 (100) |
| Minimum Temperature | | -40 (40) |
| Maximum Allowable Tension | | Temperature dependent - see [figure 1] |
| Construction | | Connectorless, snap-together modules |
| Method of Drive | | Positively driven on sprockets |

*ChemGuard belts are 1% less than normal widths. For example, 96" ≈ 95.06" and 72" ≈ 71.25"

[figure 1] **Maximum Allowable Tension Pull vs. Temperature**



ChemGuard Sprocket



Optional UHMWPE Hanger Brackets

UHMWPE Drive Sprockets for ChemGuard Hold-Down Mats

| Nom. Size | Teeth | Overall Diameter in (mm) | Pitch Diameter in (mm) | Hub Diameter in (mm) | Hub Width in (mm) | Bore Min. in (mm) | Bore Max.* in (mm) |
|-----------|-------|--------------------------|------------------------|----------------------|-------------------|-------------------|--------------------|
| #4 | 6 | 4.00 (101.6) | 3.81 (98.4) | 2.88 (73.2) | 2.00 (50.8) | 0.75 (19.1) | 1.50 (38.1) |
| #6 | 10 | 6.48 (164.5) | 6.47 (165.4) | 5.53 (140.1) | 2.00 (50.8) | 1.00 (25.4) | 3.50 (88.9) |
| #8 | 13 | 8.44 (214.4) | 8.36 (212.3) | 7.50 (190.5) | 2.00 (50.8) | 1.00 (25.4) | 5.13 (130.2) |
| #10 | 20 | 12.95 (328.9) | 12.78 (324.7) | 12.02 (305.3) | 2.00 (50.8) | 1.00 (25.4) | 8.94 (227.1) |

The maximum operating temperature for UHMWPE sprockets is 150°F (66°C)

* Maximum bores provide adequate material thickness for standard keyway. Specify special sizes to be used when necessary.



Flat Wire

Washer, IBO/OBO, & Dry-Off Oven Mats

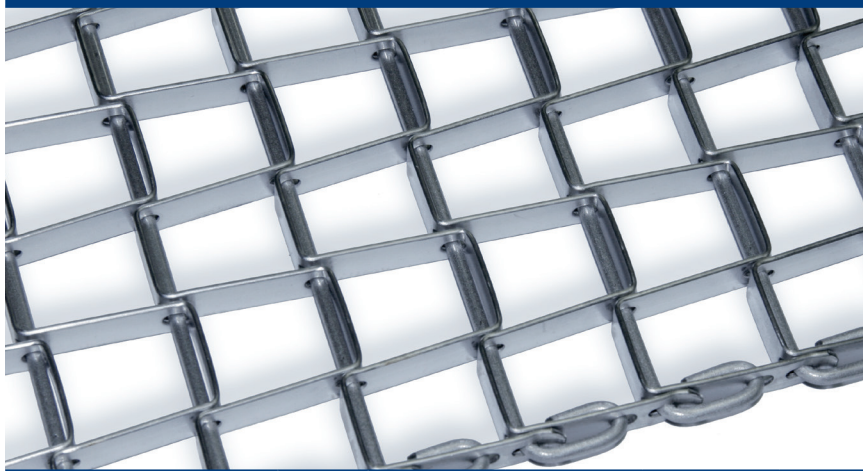
FLAT WIRE CHARACTERISTICS
FOR IBO/OBOs & DRY-OFF OVENS

ENERGY SAVINGS

DURABILITY

| | | |
|------|--------|------|
| | | |
| GOOD | BETTER | BEST |

Ashworth stainless steel Flat Wire Mats have been the industry standard in can washers, IBO/OBOs and dry-off ovens for more than 60 years. Using high quality 316 stainless steel, these belts are engineered and manufactured to strict tolerances resulting in a longer belt life.



Features & Benefits

Efficient Performance

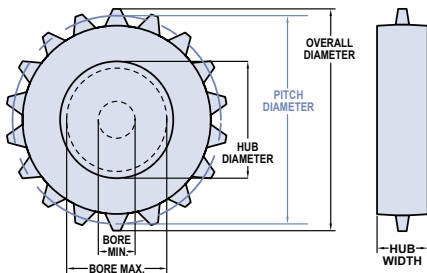
- Maximum open area minimizes spray deflection
- Acid resistant steel for harsh environments
- Clinched edges for increased strength

Proven Reliability

- Precision manufactured using the industry's tightest tolerances for increased belt life and smooth operation
- Over 60 years of customer satisfaction

| Specification | Units | Flat Wire Washer Mats | | | | Flat Wire Oven Mats | | |
|---------------------------|-----------------|--|------------------------------|------------------------------|------------------------------|--|------------------------------|----------------|
| | | A1 | A3 | B1 | B3 | A5 & A5SC* | B5 | |
| Available Materials | | 316 stainless steel | | | | 316 stainless steel or carbon steel | | |
| Nominal Mesh Opening | | 1.00 x 1.00 (25.4 x 25.4) | 0.50 x 1.00 (12.7 x 25.4) | 1.00 x 1.00 (25.4 x 25.4) | 0.50 x 1.00 (12.7 x 25.4) | 0.50 x 0.50 (12.7 x 12.7) | 0.50 x 0.50 (12.7 x 12.7) | |
| Available Widths | in (mm) | 3.25 - 208.00 (82.6 - 5283.2) | | | | | | |
| Conveying Surface | | 0.25 (6.4) less than nominal width | | | | 0.19 (4.8) less than nominal width | | |
| Longitudinal Pitch | | 1.07 (27.3) | | | | 0.54 (13.8) | | |
| Rod Diameter | | 12 gauge, 0.106 (2.7) | | 11 gauge, 0.120 (3.1) | | 12 gauge, 0.106 (2.7) | 11 gauge, 0.120 (3.1) | |
| Picket Height & Thickness | | 0.375 x 0.046 (9.5 x 1.2) | | | | | | |
| Weight | | lb/ft ² (kg/m ²) | 1.69 (8.3) | 2.00 (9.8) | 1.87 (9.1) | 2.19 (10.7) | 3.03 (14.8) | 3.18 (15.6) |
| Open Area | | % | 78 | 77 | | 76 | 65 | 64 |
| Allowable Tension | lb/ft (kg/m) | 350 (522) | 500 (745) | 420 (626) | 600 (895) | 500 (745) | 600 (745) | |
| Maximum Temperature | °F (°C) | Stainless steel: 1100 (593) | | | | Stainless steel: 1100 (593) / Carbon steel: 1000 (538) | | |
| Edge Treatment | | Clinched | | | | Welded | | |
| Method of Drive | | Positively driven with matching sprockets | | | | | | |

* The A5SC Flat Wire Mat is specially designed for accumulation and improved transfers at the dead plate. The shingled conveying surface of the A5SC allows inverted cans to avoid hitting any elevated leading edges of the belt when cans are stationary and the belt is moving. For more information contact Ashworth Bros., Inc.



Flat Wire Sprocket

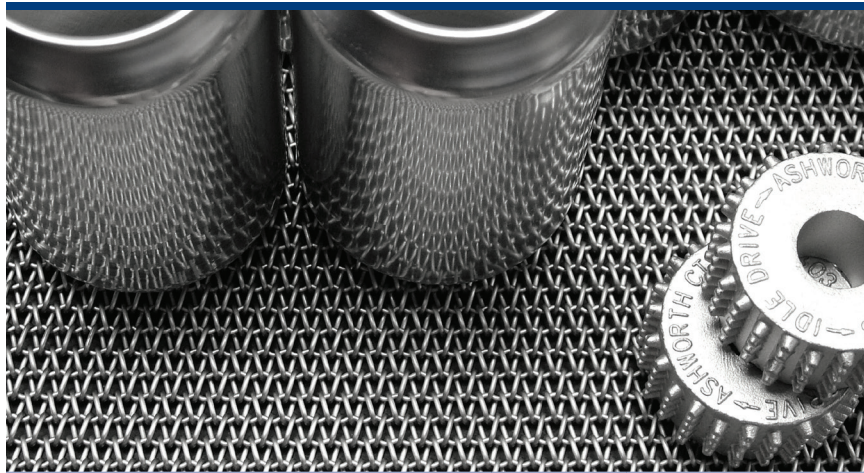
| Nom. Size | Teeth | Overall Diameter in (mm) | Pitch Diameter in (mm) | Hub Diameter in (mm) | Hub Width in (mm) | Bore Min. in (mm) | Bore Max.* in (mm) |
|--|-------|--------------------------|------------------------|----------------------|-------------------|-------------------|--------------------|
| Stainless Steel Drive Sprockets for Flat Wire Washer Mats | | | | | | | |
| #6 | 18 | 6.48 (164.6) | 6.17 (156.7) | 4.00 (101.6) | 1.50 (38.1) | 0.75 (19.1) | 3.50 (88.9) |
| #8 | 23 | 8.20 (208.3) | 7.89 (200.4) | 4.50 (114.3) | 1.50 (38.1) | 0.75 (19.1) | 4.50 (114.3) |
| Cast Iron Drive Sprockets for Flat Wire Oven Mat | | | | | | | |
| #4 | 22 | 4.13 (104.3) | 3.81 (96.8) | 3.39 (86.1) | 2.00 (50.8) | 0.75 (19.1) | 2.25 (57.2) |
| #6 | 38 | 6.89 (175.0) | 6.56 (166.6) | 6.17 (156.7) | 2.00 (50.8) | 0.75 (19.1) | 4.00 (101.6) |
| UHMWPE Drive Sprockets for Flat Wire Oven Mat | | | | | | | |
| #4 | 22 | 4.19 (106.4) | 3.81 (96.8) | 3.39 (86.1) | 1.00 (25.4) | 0.75 (19.1) | 2.25 (57.2) |
| #6 | 38 | 6.94 (176.3) | 6.56 (166.6) | 6.17 (156.7) | 1.00 (25.4) | 0.75 (19.1) | 4.00 (101.6) |
| #8 | 46 | 7.95 (201.9) | 7.94 (201.7) | 7.55 (191.8) | 2.00 (50.8) | 1.00 (25.4) | 5.00 (127.0) |

The maximum operating temperature for UHMWPE sprockets is 150°F (66°C)

* Maximum bore size listed for UHMW material is based on 1/3" (12.7 mm) of material above keyway

| | | | |
|----------------|--------------|--------|------|
| ENERGY SAVINGS | [Yellow Box] | | |
| DURABILITY | [Yellow Box] | | |
| | GOOD | BETTER | BEST |

Cleatrac Oven Mats are extremely durable and positively driven to ensure true tracking. The smooth woven mesh provides an even surface for improved can stability and tight transfers. Impervious to moisture, Cleatrac's stainless steel construction is a long lasting solution for dry-off ovens.



Features & Benefits

Eliminate Belt Wavering

- Guaranteed true tracking with a positive drive sprocket system

Durable & Energy Efficient

- Withstands the toughest environments
- Half the mass of standard flat wire

Improved Can Stability

- Smooth even surface for tight can transfers

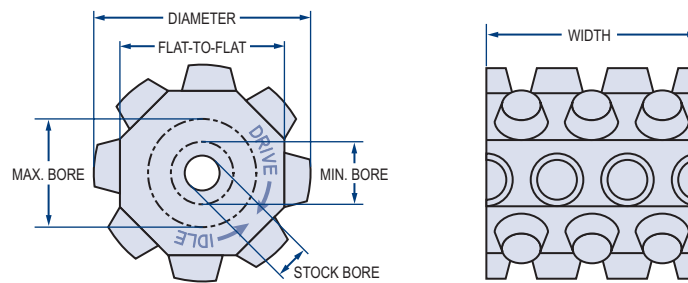
Fast and Easy Splicing

- No special tools required

Up to 50% Less Expensive than Kevlar[®]

| Specification | Units | CTB 30-24-16 | CTB 30-24-17 |
|---|---|--|--------------------------|
| Available Materials (mesh and connector rods) | | Stainless steel and high temperature alloys | |
| Lateral Pitch | in (mm) | 0.40 (10.2) | 0.40 (10.2) |
| Thickness | | 0.26 (6.7) | 0.29 (7.3) |
| Opening Size (approx.) | | 0.34 x 0.44 (8.6 x 11.2) | 0.35 x 0.45 (8.9 x 11.4) |
| Available Widths | | 1.50 - 168.00 (38.1 - 4267.2) | |
| Conveying Surface | | Full belt width | |
| Weight | lb/ft ² (kg/m ²) | 1.19 (5.8) | 0.88 (4.3) |
| Working Strength per Unit of Width | lb/ft (kg/m) | 300 (445) | 200 (300) |
| Maximum Temperature | °F (°C) | 500 (260) | |
| Minimum Temperature | | -40 (-40) | |
| Construction | | Balanced Weave | |
| Method of Drive | | Positively driven by a matching minimum diameter drive system with sprockets | |

Stock widths available from Ashworth Bros., Inc. – Winchester, VA, USA location only. Stock belt length is 25 ft (7.6 m), widths vary per mesh. Contact Ashworth for details.



Cleatrac Sprocket

| Stainless Steel Drive Sprockets for Cleatrac Oven Mats | | | | | | | |
|--|--------------|------------------|----------------------|------------------------|-------------------|-------------------|--------------------|
| Sprocket No. | No. of Teeth | Diameter in (mm) | Flat-to-Flat in (mm) | Sprocket Width in (mm) | Min. Bore in (mm) | Max. Bore in (mm) | Stock Bore in (mm) |
| CTS 30-12 | 12 | 2.03 (51.6) | 1.60 (40.6) | 1.20 (30.5) | 0.75 (19.1) | 1.00 (25.4) | 0.75 (19.1) |
| CTS 30-20 | 20 | 3.33 (84.6) | 2.89 (73.4) | 1.20 (30.5) | 0.75 (19.1) | 1.88 (47.6) | 0.75 (19.1) |

ToughMat™ PTFE Coated Oven Mats combine low energy consumption with a superior surface to provide an effective conveying solution for can making operations. The proprietary design and construction ensures a long operating life and uses a fiberglass mesh for ovens and Kevlar® for dry-off ovens.



Features & Benefits

Energy Efficient & Durable

■ The proprietary design and construction is lightweight, exceptionally strong, and minimizes energy use when heating IBOs, OBOs, or dry-off ovens

Temperature & Dimensional Stability

■ ToughMat™ operates and remains stable under normal mechanical loads from 100°F to 500°F

Smooth Transfers & Excellent Release

■ The low profile provides smooth transfers at dead plates and the PTFE coating has excellent release properties at high temperatures

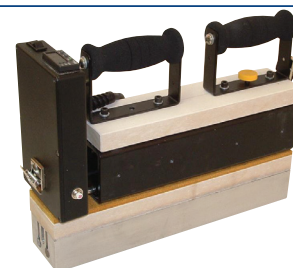
| Specification | Units | 27-30 IBO/OBO Mat | 27-48 IBO/OBO Mat | 57-27 Dry-Off Oven Mat |
|---|---------------|-------------------------------------|------------------------|------------------------|
| Material | | PTFE Coated Fiberglass | PTFE Coated Fiberglass | PTFE Coated Kevlar® |
| Mesh Color | | Tan | Tan | Yellow |
| Nominal Thickness | | 0.03 (0.8) | 0.05 (1.2) | 0.03 (0.8) |
| Opening Size (approx.) | | 0.19 (4.8) | 0.25 (6.4) | 0.19 (4.8) |
| Available Widths | in (mm) | 72.00 or 96.00 (1828.8 or 2438.4) | | 96.00 (2438.4) |
| Conveying Surface | | 2.00 (50.8) less than nominal width | | |
| Minimum Pulley Diameter | | 6.00 (152.4) | | 3.00 (76.2) |
| Working Strength per Unit of Width ¹ | lb/in (kg/cm) | 311 (56) | 359 (64) | 350 (63) |
| Operating Temperature | °F (°C) | 100-500 (38-260) | | |
| Method of Drive | | Friction Driven | | |

¹All figures provided in the above table are based upon ASTM D 4969-97, the standard specification for polytetrafluoroethylene (PTFE) coated glass fabric. The above working strength values are based upon the ASTM D828 test method and are not actual values of Ashworth's materials. Ashworth states that the actual working strength will be greater than the above material specification and that actual working strength values will be provided upon request.

HEAT SEALING PRODUCTS for ToughMat™

Heat Sealers | Bonding Film | Release Cloth | High-Temp Mineral Board Work Surface | Seam Prep Kits

ToughMat Heat Sealers are specifically designed to seal PTFE coated conveyor belts and ensure optimum belt performance. Ashworth offers end-user training as well as field installation services.



| Specification | Units | THS-1000 | THS-1800 |
|---------------------|---------|---|-------------------------------------|
| Sealing Area | in (mm) | 3.00 x 7.50 (76.2 x 190.5) | 3.00 x 14.50 (76.2 x 368.3) |
| Belt Width Use | | <60.00 (<1524.0) | >60.00 (>1524.0) |
| Wattage | | 1000 | 1800 |
| Amperage | | 7.0 @ 120 Volts 3.5 @ 240 Volts | 15.0 @ 120 Volts 7.5 @ 240 Volts |
| Temperature Control | | Digital; displays actual temperature of the heating surface | |
| Weight | lb (kg) | 18.6 (8.4)* | 36.5 (16.6)** |

* includes the 6 lb. removable lead weight
 ** includes the 11 lb. removable lead weight

Can Making Conveyor Belts

Washer, IBO/OBO, & Dry-Off Oven Mats



ChemGuard[™] Washer Hold-Down Mats

Flat Wire Washer, IBO/OBO, & Dry-Off Oven Mats

Cleatrac[®] IBO/OBO & Dry-Off Oven Mats

ToughMat[™] IBO/OBO & Dry-Off Oven Mats