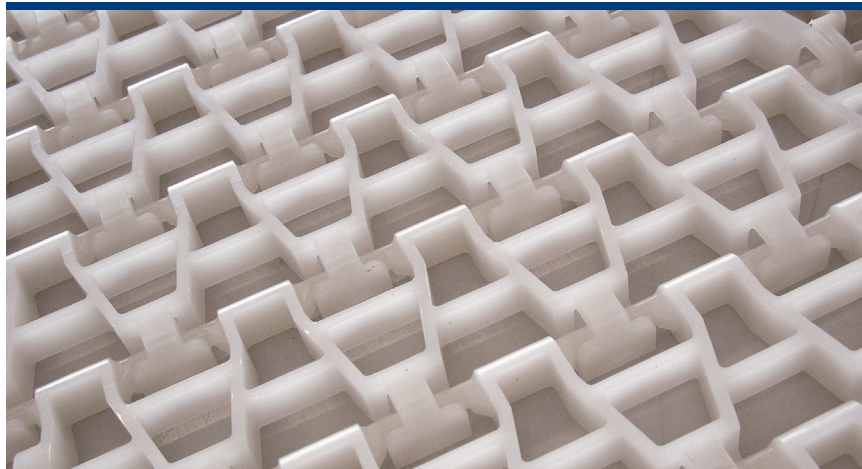


ChemGuard™ is the ultimate solution for critical washer hold-down applications. The open design provides maximum chemistry exposure, and the PVDF belt material resists hydrofluoric acid attack to prevent belt growth and breakage, increasing belt life from months to years.



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	°F (°C)	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"

Features & Benefits

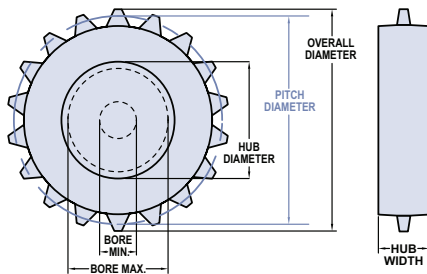
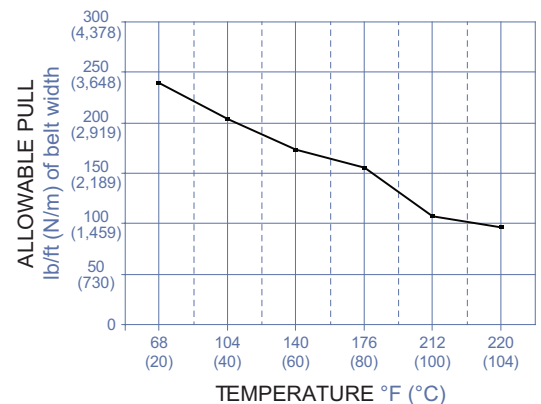
Longer Belt Life & Efficient Performance

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

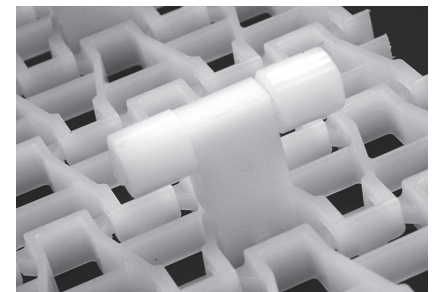
Lower Maintenance Costs & Safe Installation

- 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

[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.

Can Making Conveyor Belts

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



ChemGuard™ Washer Hold-Down Mats

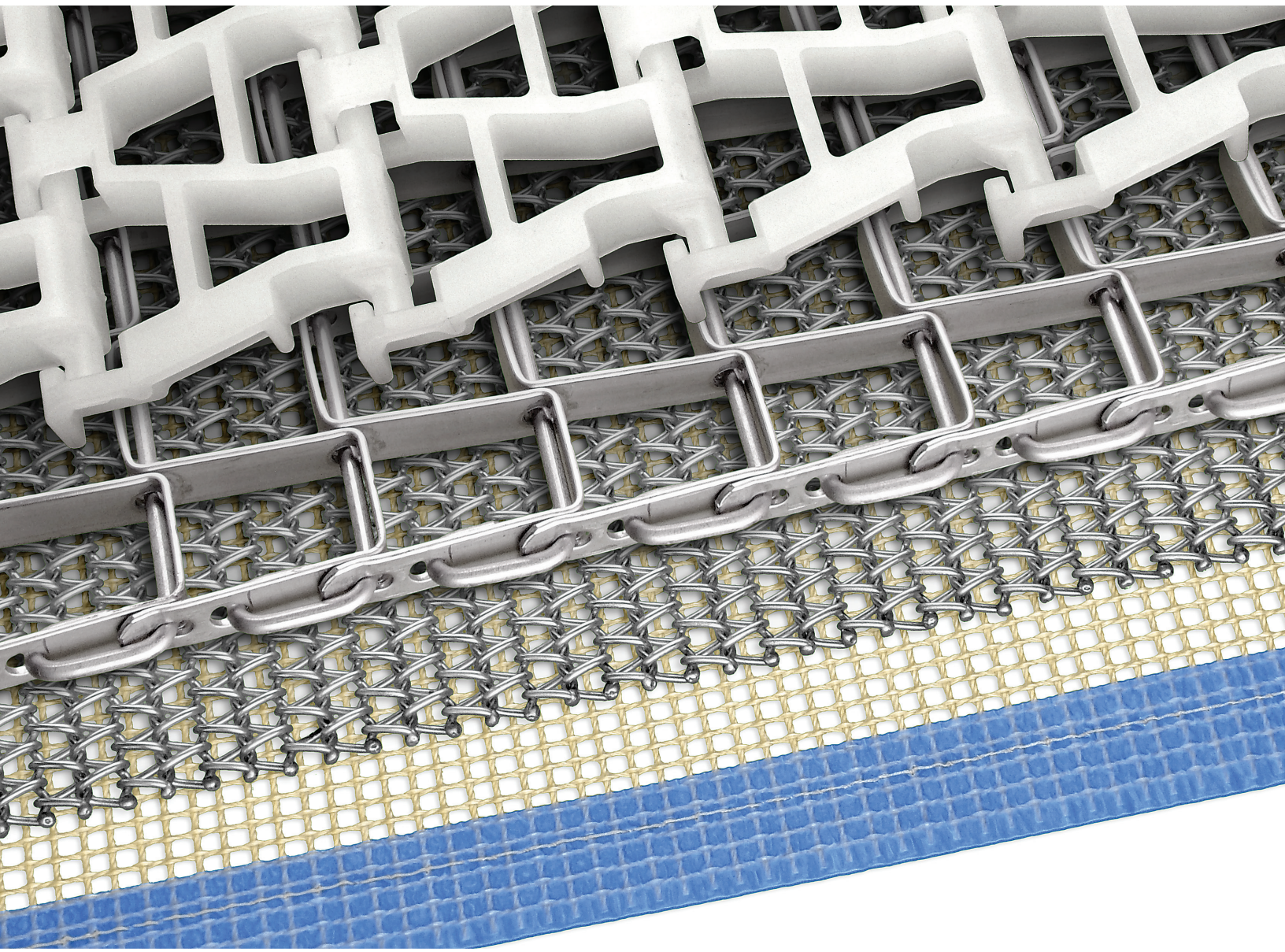
Flat Wire Washer, IBO/OBO, & Dry-Off Oven Mats

Cleatrac® IBO/OBO & Dry-Off Oven Mats

ToughMat™ IBO/OBO & Dry-Off Oven Mats

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.



Flat Wire

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

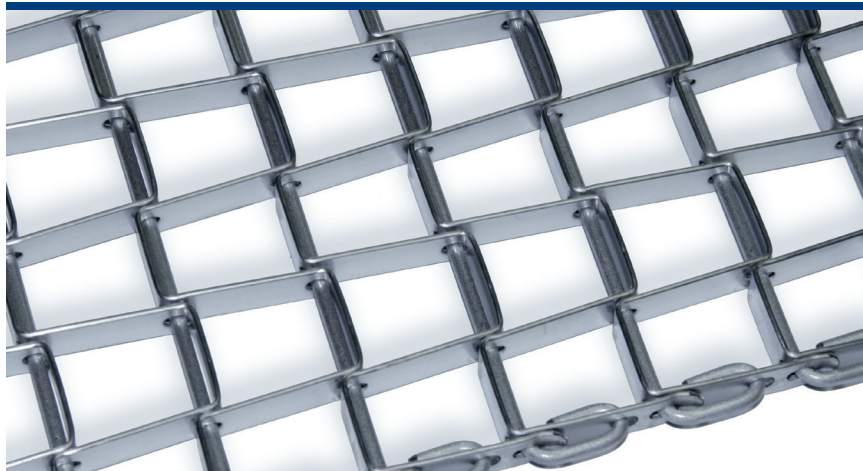
FLAT WIRE CHARACTERISTICS
FOR IBO/OBOs & DRY-OFF OVENS

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

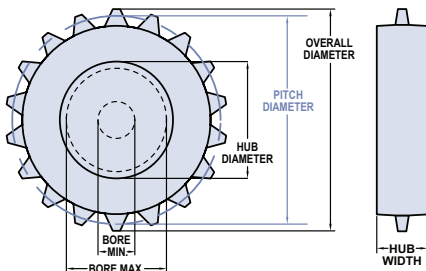
- Maximum open area minimizes spray deflection
- Acid resistant steel for harsh environments
- Clinched edges for increased strength

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		3.25 - 208.00 (82.6 - 5283.2)					
Conveying Surface	in (mm)	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

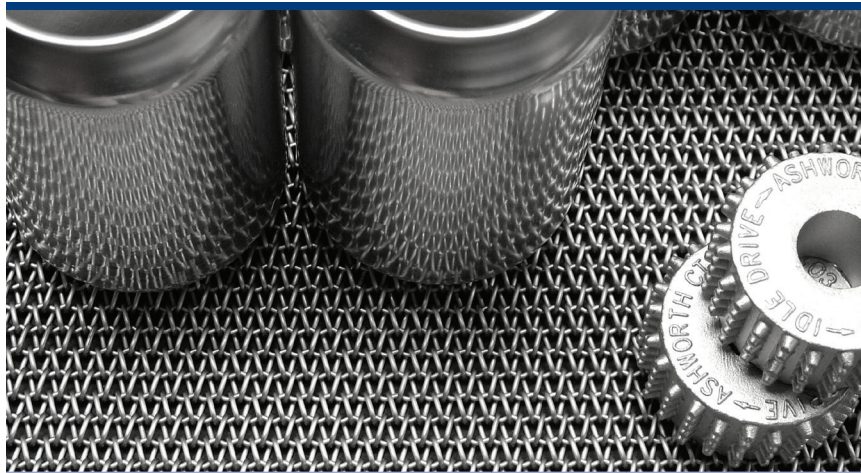
Nom. Size	Teeth	Overall Diameter in (mm)	Pitch Diameter in (mm)	Hub Diameter in (mm)	Hub Width in (mm)	Bore Min. in (mm)	Bore Max.* in (mm)
Stainless Steel Drive Sprockets for Flat Wire Washer Mats							
#6	18	6.48 (164.6)	6.17 (156.7)	4.00 (101.6)	1.50 (38.1)	0.75 (19.1)	3.50 (88.9)
#8	23	8.20 (208.3)	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			
DURABILITY			
	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

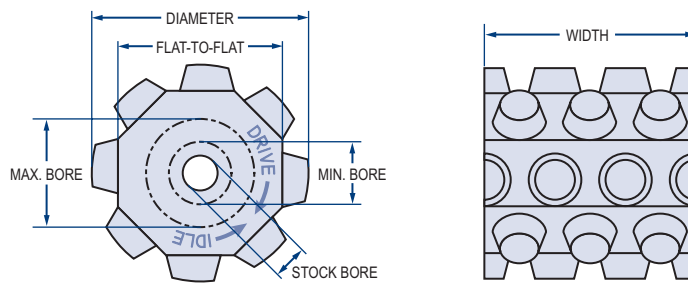
Fast and Easy Splicing

- 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		0.40 (10.2)	0.40 (10.2)
Thickness	in (mm)	0.26 (6.7)	0.29 (7.3)
Opening Size (approx.)		0.34 x 0.44 (8.6 x 11.2)	
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)

ENERGY SAVINGS	GOOD BETTER BEST		
DURABILITY	GOOD BETTER BEST		

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

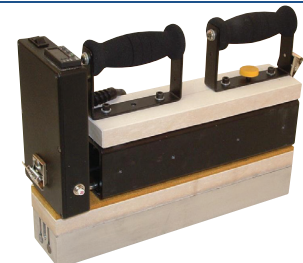
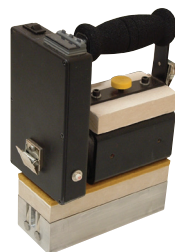
Specification	Units	27-30 IBO/OBO Mat	27-48 IBO/OBO Mat	57-27 Dry-Off Oven Mat
Material		PTFE Coated Fiberglass	PTFE Coated Fiberglass	PTFE Coated Kevlar®
Mesh Color		Tan	Tan	Yellow
Nominal Thickness		0.03 (0.8)	0.05 (1.2)	0.03 (0.8)
Opening Size (approx.)		0.19 (4.8)	0.25 (6.4)	0.19 (4.8)
Available 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