

FLEX-WRAP *Foam Pipe Wrap*

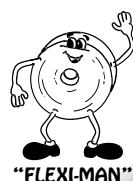
Flex-wrap

- Inexpensive
- Used to wrap all pipes in a concrete pour
- Satisfies UPC Code Sec.315.7
- Provides true expansion space between pipe and a concrete pour



Product #	Dimesions	Bag Qty.	Comments
#11	3/32" X 6" X 200'	6 Rolls per bag UPS customers ship 3 rolls per bag	Most common
#12	3/32" X 6" X 600'	10 rolls per bag	
#18	3/32" X 8" X 200'	4 rolls per bag UPS customers ship 2 ross per bag	
#204	1/4"X4"X50'	8 rolls per bag UPS customers ship 5 rolls per bag	
#206	1/4"X6"X50'	6 rolls per bag UPS customers ship 3 rolls per bag	
#208	1/4"X8"X50'	4 rolls per bag UPS customers ship 2 rolls per bag	

Properties	Units	Value	Test Method
Density	lbs/ft ³	1.0-1.2	Gravimetric
Tensile Strength	psi	MD: 60-100 CD: 30-60	D-828-60
Elongation	per cent	60-120	D-828-60
Compression strength at 10% deflection	psi	4-7	D-1621
Water Vapor Trans.	perm-in.	0.1-0.2	C-355
Water Absorption	% by volume (96 hrs)	0.3	D-2842
Co-efficient of linear expansion	10 in/in/° F	2.3	D-696
Thermal conductivity	BTU/sq.ft./hr/ °F/in	0.26-0.30	D-2396
Maximum Temp. service	°F	160-180	----
Dielectric constant	at 1.0 kc	1.05	D-1673
Dissipation factor	at 28°C X 1.0 kc	2.0 X 10	----
Co-efficient of thermal conductivity	BTU/hr/FA/°F/in	0.28kc	----
Flammability	AEB, in/ATB, sec	3.0/55	D-16929



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1221 E. Houston Ave.
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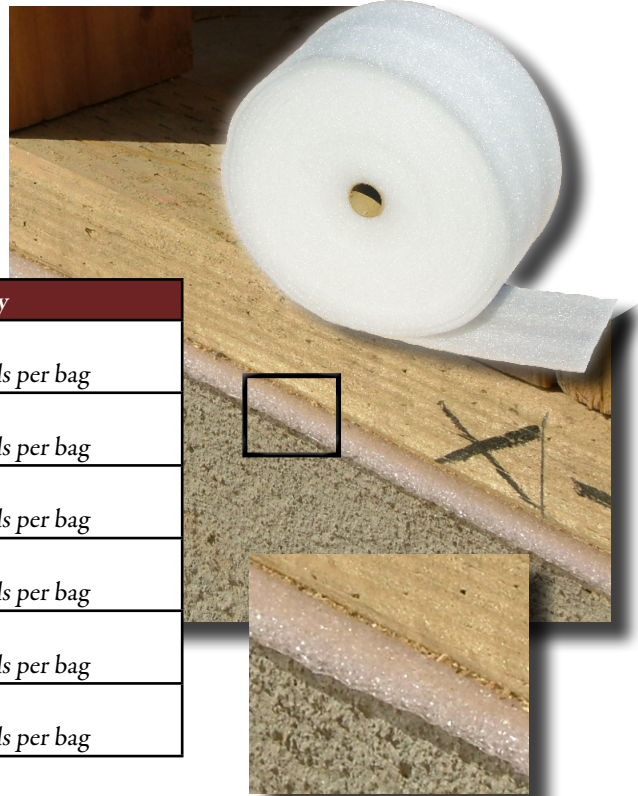
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FLEX-SEAL *Foam sill sealer*

Flex-Seal

A polyethylene foam strip used to reduce air filtration between the concrete foundation and the sill plate

- Inexpensive and Strong
- Creates a seal between the foundation wall and the sill plate
- Conforms to variations in foundation surface
- Resists effects of moisture and freeze/thaw cycles
- Also used around window and door frames



Product#	Dimesions	Package Quantity
#2035	1/4" X 3.5" X 50'	9 Rolls per bag UPS customers ship 6 rolls per bag
#2055	1/4" X 5.5" X 50'	6 rolls per bag UPS customers ship 4 rolls per bag
#2075	1/4" X 7.5" X 50'	4 rolls per bag UPS customers ship 3 rolls per bag
#3035	1/2" X 3.5" X 25'	9 Rolls per bag UPS customers ship 6 rolls per bag
#3055	1/2" X 5.5" X 25'	6 rolls per bag UPS customers ship 4 rolls per bag
#3075	1/2" X 7.5" X 25'	4 rolls per bag UPS customers ship 3 rolls per bag

Properties	Units	Value	Test Method
Density	lbs/ft ³	1.0-1.2	Gravimetric
Tensile Strength	psi	MD: 60-100 CD: 30-60	D-828-60
Elongation	per cent	60-120	D-828-60
Compression strength at 10% deflection	psi	4-7	D-1621
Water Vapor Trans.	perm-in.	0.1-0.2	C-355
Water Absorption	% by volume (96 hrs)	0.3	D-2842
Co-efficient of linear expansion	10 in/in/° F	2.3	D-696
Thermal conductivity	BTU/sq.ft./hr/ °F/in	0.26-0.30	D-2396
Maximum Temp. service	°F	160-180	----
Dielectric constant	at 1.0 kc	1.05	D-1673
Dissipation factor	at 28°C X 1.0 kc	2.0 X 10	----
Co-efficient of thermal conductivity	BTU/hr/FA/°F/in	0.28kc	----
Flammability	AEB, in/ATB, sec	3.0/55	D-16929



Made in USA



FLEX-GARD

Foam Closet/Shower Riser Spacer

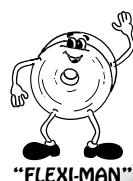
Flex-Gard

- Creates a clean wide space around the closet or shower riser
- Will not stick to concrete
- removal is fast and easy



Product #	Pipe Size	Height	Description	Package Quantity
#24	2"	4"	Foam Shower Riser	42 per case
#26	2"	6"	Foam Shower Riser	24 per case
#34	3"	4"	Foam Closet Riser	60 per case
#36	3"	6"	Foam Closet Riser	40 per case
#44	4"	4"	Foam Closet Riser	60 per case
#46	4"	6"	Foam Closet Riser	40 per case
#48	4"	8"	Foam Closet Riser	40 per case
Cast Iron Pipe Closet Riser				
#44C	4"	4"	Foam Closet Riser	36 per case

Properties	Units	Value	Test Method
Density	pcf	1.2	Mil PPP-C-1752A
Cell size	mm	0.8	ASTM D3576-77
Flexibility: Room Temp.		Pass	Mil PPP-C-1752A
-65°F		Pass	Mil PPP-C-1752A
Compression set	%	8.1	Mil-PPP-C-1752A
Compression strength	psi		ASTM D1621
10% deflection		1.5	
25% deflection		5.3	
50% deflection		16.6	
Tensile strength	psi	51	ASTM D412
Tear strength	lb/in	20	ASTM D412
Co-efficient of thermal conductivity (k)	BTU/hr. FA ² /°F.in	0.28-0.32	Guarded Hot Plate
Thermal stability	% change Avg.	-4.3	Mil PPP-C-1752A
Maximum temp. service	°F	160-180°	---
Water absorption	lb/ft ²	0.01	Mil PPP-C-1752A
Water Vapor Transmission		0.1-0.2	ASTM C-355
Contact Corrosivity		none	Mil PPP-C-1752A
Dusting		0.003	Mil PPP-C-1752A
Abrasiveness		Pass	Mil PPP-C-1752A
Flammability	AEB.in./ATB, sec	3.0/55	ASTM D-16929



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FLEX-SLEEVE *Poly Pipe Sleeve*

Flex-Sleeve

Made with higher density polyethylene film offering :

- Stronger tube when compared to the competition of equal gauge
- More rigid tube for easier "push on" installation
- Resistant to acids and alkaline to better protect the pipe

Product#	Color	Pipe Size	Feet per roll	Gauge	Package Quantity
#100	Black	1/2"-1"	200'	.4 mil	20 rolls per case
#101	Orange	1/2"-1"	200'	.4 mil	20 rolls per case
#102	Blue	1/2"-1"	200'	.4 mil	20 rolls per case
#103	Clear	1/2"-1"	200'	.4 mil	20 rolls per case
#104	Red	1/2"-1"	200'	.4 mil	20 rolls per case
#108BK	Black	1-1/4"-2"	250'	.4 mil	12 rolls per case
#108BL	Blue	1-1/4"-2"	250'	.4 mil	12 rolls per case
#108C	Clear	1-1/4"-2"	250'	.4 mil	12 rolls per case
#108R	Red	1-1/4"-2"	250'	.4 mil	12 rolls per case
#106	Clear	3"	1500'	.4 mil	1 roll
#107	Clear	4"	1500'	.4 mil	1 roll
#109	Clear	5"	1500'	.4 mil	1 roll
#111	Clear	6"	1500'	.4 mil	1 roll
#114	Clear	8"	1500'	.4 mil	1 roll
#118	Clear	10"	1500'	.4 mil	1 roll



Made in USA

Properties	Units	ASTM
Density	0.925-.0930 gms/cc	D1505
Melt Index	1.5-2.5 gms/10 min	D1238
Haze	8-12%	D1003
Gloss at 45 Degrees	60-70	D2457
COF (Slip)	.1-.15 (High)	D1894
Yield	30,000 sq in/lb	
MVTR	1.0 gms	E96
GTR (Oxygen)	400-600cc	D1434
Resin	FDA Approved	
Tensile Ultimate	MD: 4400 psi	D882
	TD: 4000 psi	
Elongation Ultimate	MD: 500%	D882
	TD: 600%	
Elmendorf Tear Strength	MD: 230 gms	D1922
	TD: 900 gms	
Dart Impact 50%	110 gms	D1709



FLEX-SLEEVE *Precut*

Flex-Sleeve Pre-cut

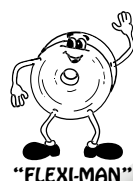
- 30" precut lengths
- Reduces labor in the fabrication shop
- Less waste when consistency of size is required



Product#	Color	Pipe Sizes	Gauge	Box Quantity	Case Quantity
#101C	Orange	1/2"-1"	.4 mil	80 pieces cut to 30"	20 boxes
#102C	Blue	1/2"-1"	.4 mil	80 pieces cut to 30"	20 boxes
#104C	Red	1/2"-1"	.4 mil	80 pieces cut to 30"	20 boxes



Properties	Units	ASTM
Density	0.925-.0930 gms/cc	D1505
Melt Index	1.5-2.5 gms/10 min	D1238
Haze	8-12%	D1003
Gloss at 45 Degrees	60-70	D2457
COF (Slip)	.1-.15 (High)	D1894
Yield	30,000 sq in/lb	
MVTR	1.0 gms	E96
GTR (Oxygen)	400-600cc	D1434
Resin	FDA Approved	
Tensile Ultimate	MD: 4400 psi TD: 4000 psi	D882
Elongation Ultimate	MD: 500% TD: 600%	D882
Elmendorf Tear Strength	MD: 230 gms TD: 900 gms	D1922
Dart Impact 50%	110 gms	D1709



"FLEXI-MAN"

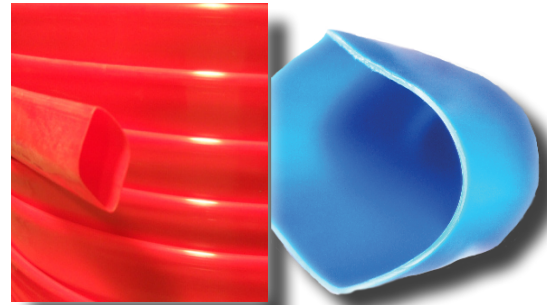
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FLEX-SLEEVE *32 mil Pipe Sleeve*

Flex-Sleeve 32

- 32 mil thickness
- Satisfies local codes requiring thicker sleeve
- Ideal for push on installation



Product#	Color	Pipe Sizes	Gauge	Feet per roll	Case Quantity
#402	Blue	1/2"-1"	32 mil	100'	8 rolls
#404	Red	1/2"-1"	32 mil	100'	8 rolls



Made in USA

Properties	Units	ASTM
Density	0.925-.0930 gms/cc	D1505
Melt Index	1.5-2.5 gms/10 min	D1238
Haze	8-12%	D1003
Gloss at 45 Degrees	60-70	D2457
COF (Slip)	.1-.15 (High)	D1894
Yield	30,000 sq in/lb	
MVTR	1.0 gms	E96
GTR (Oxygen)	400-600cc	D1434
Resin	FDA Approved	
Tensile Ultimate	MD: 4400 psi TD: 4000 psi	D882
Elongation Ultimate	MD: 500% TD: 600%	D882
Elmendorf Tear Strength	MD: 230 gms TD: 900 gms	D1922
Dart Impact 50%	110 gms	D1709



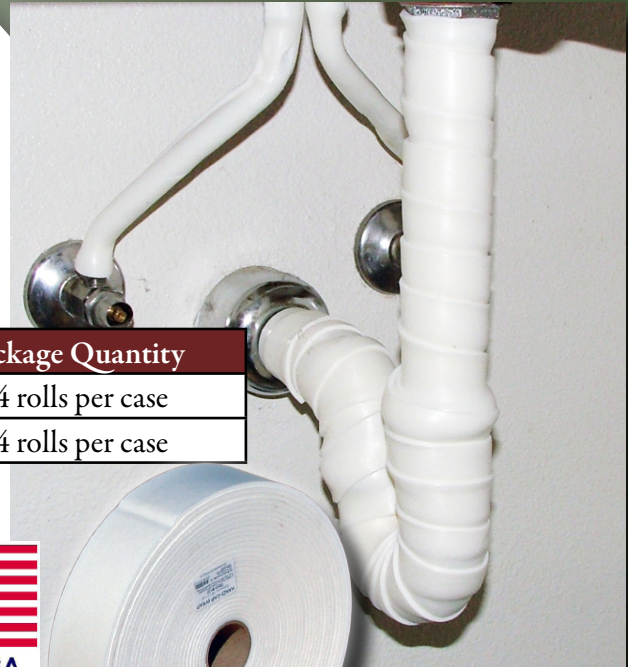
HANDI-CAP WRAP

Handi-Cap Wrap

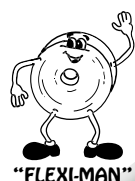
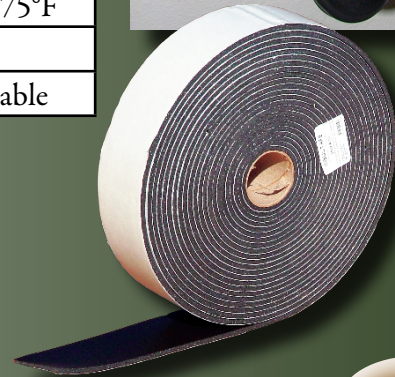
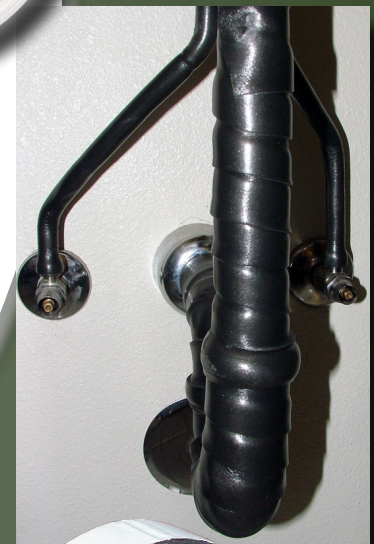
Used to Wrap "P" traps & supplies in public restrooms

- Designed for wrapping "P" traps and supplies
- Pressure sensitive adhesive backing
- Installs fast
- Economical
- Will cover any "P" trap with any angle or any shape

Product#	Description	Package Quantity
#120WHT	1/8"X2"X40'	24 rolls per case
#120BLK	1/8"X2"X40'	24 rolls per case



Properties	Units	Value
Density	PCF	2
Tensile Strength	PSI	44
Elongation	%	150
Tear Strength	lb/in	13
Compression Strength at 25% PSI	PSI	7
Compression Set (thickness)	%	22
Thermal Stability (% of chg at 158 for 24 hrs)	%	<.6
Thermal Conductivity (btu/hr/°F)		0.27
Working Temp. range		-70°F to 175°F
Water Absorption (lb/ft/°F)		<.06
Flammability (MVSS302)		pass available



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HANDI-CAP COVER

Handi-Cap Cover

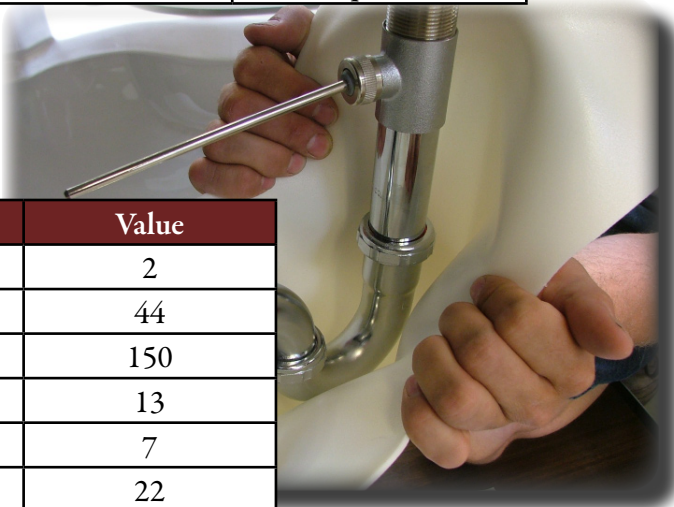
Protects wheelchair users from exposed pipes in public restrooms

- Easy to use
- Quick installation
- Economical to buy
- Actually insulates the hot pipes and supplies
- Strategically placed closure strips make the cover "stay put"
- Available in white and black
- Complies with ADA requirements



Product#	Description	Package Quantity
#12002WHT	WHITE "P" Trap Cover	24 per case
#12002BLK	BLACK "P" Trap Cover	24 per case
#12003WHT	WHITE "P" Trap Cover with One Supply Cover	24 per case
#12003BLK	BLACK "P" Trap Cover with One Supply Cover	24 per case
#12004WHT	WHITE "P" Trap Cover with Two Supply Covers	24 per case
#12004BLK	BLACK "P" Trap Cover with Two Supply Covers	24 per case
#12024WHT	WHITE 24" Handi-Cap Extension Cover	24 per case
#12024BLK	BLACK 24" Handi-Cap Extension Cover	24 per case

Properties	Units	Value
Density	PCF	2
Tensile Strength	PSI	44
Elongation	%	150
Tear Strength	lb/in	13
Compression Strength at 25% PSI	PSI	7
Compression Set (thickness)	%	22
Thermal Stability (% of chg at 158 for 24 hrs)	%	<.6
Thermal Conductivity (btu/hr/°F)		0.27
Working Temp. range		-70°F to 175°F
Water Absorption (lb/ft/°F)		<.06
Flammability (MVSS302)		pass available



Made in USA



PLUMBERS FELT *Adhesive Backed Felt*

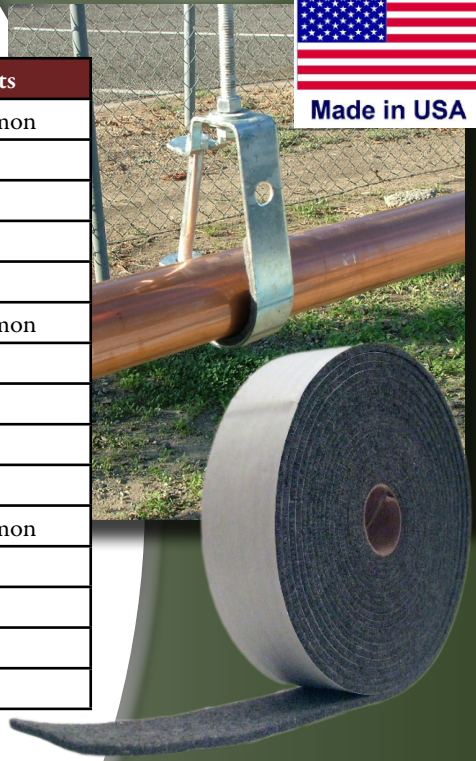
Plumbers Felt

- Adhesive backed felt
- Used in pipe hangers and pipe clamps
- Isolates pipes and stops electrolysis
- Used to wrap DWV, especially between floors to reduce sound transmission
- reduces pipe movement and vibration

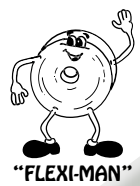
Available in custom widths from 5/8 inches to 40 inches



Product#	Dimensions	Package Qty.	Comments
#160	3/16"X2"X25'	24 per case	Most Common
#161	3/16"X5/8"X25'	72 per case	
#162	3/16"X3/4"X25'	64 per case	
#163	3/16"X1"X25'	48 per case	
#164	3/16"X1-1/2"X25'	32 per case	
#170	1/4"X2"X25'	24 per case	Most Common
#171	1/4"X5/8"X25'	72 per case	
#172	1/4"X3/4"X25'	64 per case	
#173	1/4"X1"X25'	48 per case	
#174	1/4"X1-1/2"X25'	32 per case	
#180	1/8"X2"X25'	24 per case	Most Common
#181	1/8"X5/8"X25'	72 per case	
#182	1/8"X3/4"X25'	64 per case	
#183	1/8"X1"X25'	48 per case	
#184	1/8"X1-1/2"X25'	32 per case	



Properties	S.A.E.	Felt Specifications	#F-15
Color	Grey	Grey	Grey
Thickness/Nominal	1/8"	3/16"	1/4"
Thickness/Limits In.	.105-.1450	.1670-.2070	.230-.270
Weight/oz. per Sq. yard	15-19	23-27	32-36
Density 1% specific gravity	15.4	15.4	15.4
Actual Wool content	55%	55%	55%
Carbontet/Soluble Max.	8%	8%	8%
Water Soluble Max.	6%	6%	6%
Combined Carbontet/Water Soluble	14%	14%	14%
Ash Max.	5%	5%	5%
Tensile Strength Min.	not measurable	not measurable	not measurable
Splitting resistance Min.	not measurable	not measurable	not measurable



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PLUMBERS FELT *Non-Adhesive*

Non-Adhesive Plumbers Felt

- Used in pipe hangers and pipe clamps
- Isolates pipes and stops electrolysis
- Used to wrap DWV, especially between floors to close off openings
- reduces pipe movement and vibration

Product#	Dimensions	Package Quantity
#165	3/16" X2" X25'	24 rolls per case
#175	1/4" X2" X25'	24 rolls per case



Needle Punched Felt

Properties	S.A.E.	Felt Specifications	#F-26
Color	Grey	Grey	Grey
Thickness/Nominal	1/8"	3/16"	1/4"
Thickness/Limits In.	.105-.1450	.1670-.2070	.230-.270
Weight/oz. per Sq. yard	15-19	23-27	32-36
Density 1% specific gravity	15.4	15.4	15.4
Actual Wool content	20%	20%	20%
Carbontet/Soluable Max.	8%	8%	8%
Water Soluable Max.	6%	6%	6%
Combined Carbontet/Water Soluble	14%	14%	14%
Ash Max.	5%	5%	5%
Tensile Strength Min.	not measurable	not measurable	not measurable
Splitting Resistance Min.	not measurable	not measurable	not measurable



PLUMBERS FELT *Metal Back*

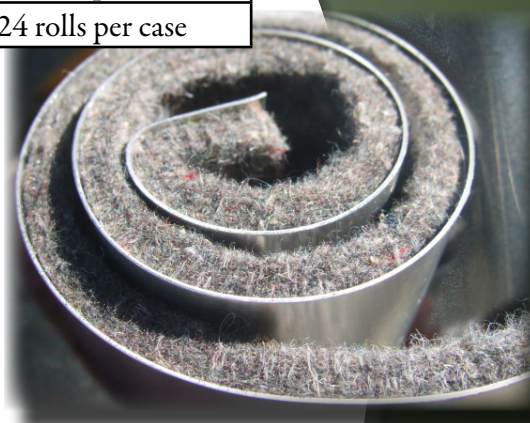
Metal Backed Plumbers Felt

- Used in pipe hangers and pipe clamps
- Isolates pipes and stops electrolysis
- Required on some commercial application
- .025 gauge aluminum backing

Product#	Dimensions	Package Quantity
#165M	3/16"X2"X25'	24 rolls per case
#175M	1/4"X2"X25'	24 rolls per case



Made in USA



Needle Punched Felt

Properties	S.A.E.	Felt Specifications	#F-26
Color	Grey	Grey	Grey
Thickness/Nominal	1/8"	3/16"	1/4"
Thickness/Limits In.	.105-.1450	.1670-.2070	.230-.270
Weight/oz. per Sq. yard	15-19	23-27	32-36
Density 1% specific gravity	15.4	15.4	15.4
Actual Wool content	20%	20%	20%
Carbontet/Soluble Max.	8%	8%	8%
Water Soluble Max.	6%	6%	6%
Combined Carbontet/Water Soluble	14%	14%	14%
Ash Max.	5%	5%	5%
Tensile Strength Min.	not measurable	not measurable	not measurable
Splitting resistance Min.	not measurable	not measurable	not measurable



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INSUL-TAPE *Adhesive Backed Tape*

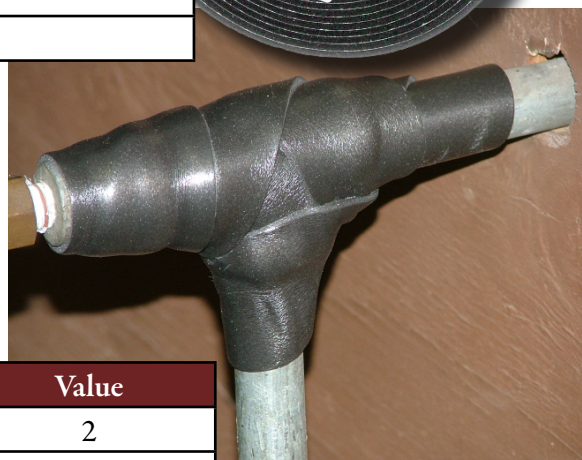
Insul-Tape

- Convenient to wrap and insulate fitting, valves, or short runs of pipe
- Pressure sensitive adhesive backing
- Installs fast
- Economical

Product#	Description	Package Quantity	Comments
#150	1/8"X2"X30'	24 rolls per case	Most Common
#151	1/8"X1/2"X30'	96 rolls per case	
#154	1/8"X1"X30'	48 rolls per case	



Made in USA



Properties	Units	Value
Density	PCF	2
Tensile Strength	PSI	44
Elongation	%	150
Tear Strength	lb/in	13
Compression Strength at 25% PSI	PSI	7
Compression Set (thickness)	%	22
Thermal Stability (% of chg at 158 for 24 hrs)	%	<.6
Thermal Conductivity (btu/hr/°F)		0.27
Working Temp. range		-70°F to 175°F
Water Absorption (lb/ft/°F)		<.06
Flammability (MVSS302)		pass available

CURBING FOAM *Adhesive Backed Foam*

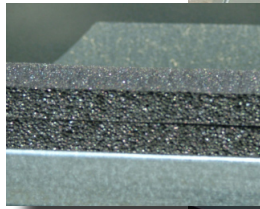
Curbing

- Creates excellent seal between HVAC unit and Plenum
- Can be stacked for greater thickness
- Economical
- Installs fast
- Adhesive backed

Product#	Description	Package Quantity
#305	1/2" X 1-1/2" X 15'	25 per bundle



Made in USA



Properties	Units	Value
Density	PCF	2
Tensile Strength	PSI	44
Elongation	%	150
Tear Strength	lb/in	13
Compression Strength at 25% PSI	PSI	7
Compression Set (thickness)	%	22
Thermal Stability (% of chg at 158 for 24 hrs)	%	<.6
Thermal Conductivity (btu/hr/°F)		0.27
Working Temp. range		-70°F to 175°F
Water Absorption (lb/ft/°F)		<.06
Flammability (MVSS302)		pass available



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