



21TF50



21TF20

**Joint Sealant, Thread Sealant, and Valve Stem Packing Tapes**

■ PTFE material

For a complete list of standards and specifications, go to Grainger.com and search for individual products.

**Joint Sealant Tape**—General purpose economy grade sealant.

**Thread Sealant Tape**—21TF29 and 21TF30 are general purpose, economy grade sealant tape. 21TF32, 21TF40, and 21TF41 are for use with stainless steel threads.

W	L	Gas Pressure Range (psi)	Liquid Pressure Range (psi)	Color	Density	Item No.
<b>Joint Sealant Tape</b>						
<b>-450° to 600°F</b>						
3/8 in	300 in	0-3000	0-3000	White	—	21TF48
<b>-400° to 600°F</b>						
1/4 in	600 in	0-3000	0-3000	White	—	21TF47
1/2 in	180 in	0-3000	0-3000	White	—	21TF49
3/4 in	180 in	0-3000	0-3000	White	—	21TF50
<b>Thread Sealant Tape</b>						
<b>-400° to 500°F</b>						
1/2 in	600 in	0-2250	0-2250	Copper	0.9 to 1.1sg	21TF38
1/2 in	600 in	0-2250	0-2250	Nickel	0.9 to 1.1sg	21TF40
1/2 in	600 in	0-2250	0-2250	Yellow	1.2 to 1.5sg	21TF42
1/2 in	600 in	0-2250	0-2250	Nickel	0.9 to 1.1sg	21TF41
1/4 in	520 in	0-100	0-10,000	White	0.7 to 0.8sg	21TF28
1/4 in	260 in	0-300	0-10,000	White	0.35 to 0.5sg	21TF19
1/4 in	260 in	0-300	0-300	Yellow	1.2 to 1.5sg	21TF22
1/4 in	260 in	0-2000	0-10,000	Gray	0.9 to 1.1sg	21TF32
1/4 in	260 in	0-2000	0-10,000	White	0.7 to 0.8sg	21TF27
1/4 in	260 in	0-2250	0-10,000	White	1.2 to 1.5sg	21TF34
1/4 in	520 in	0-300	0-10,000	White	0.35 to 0.5sg	21TF20
1/4 in	520 in	0-2000	0-10,000	White	0.9 to 1.1sg	21TF25
1/4 in	520 in	0-2000	0-10,000	White	0.7 to 0.8sg	21TF29
1/4 in	520 in	0-2000	0-10,000	Yellow	1.2 to 1.5sg	21TF23
1/4 in	520 in	0-300	0-300	White	0.35 to 0.5sg	21TF21
1/4 in	520 in	0-2000	0-10,000	White	0.9 to 1.1sg	21TF26
1/4 in	520 in	0-2000	0-10,000	White	0.7 to 0.8sg	21TF30
1/4 in	520 in	0-2250	0-10,000	White	1.2 to 1.5sg	21TF36
1/4 in	520 in	0-2250	0-10,000	White	1.2 to 1.5sg	21TF37
<b>Valve Packing Tape</b>						
<b>-400° to 500°F</b>						
3/2 in	240 in	0-500	0-2250	White	—	21TF44
3/2 in	120 in	0-500	0-2250	White	—	21TF45



**Double-Bale and Single-Strap Saddle Clamps**

■ Max. pressure: 300 psi  
■ Max. temp.: 180°F

Use to tap into and tee off of existing pipes; fully entrapped gaskets hold tee tightly in place in the tapped cavity. Wide band spread prevents pipe damage when tightening. Ductile iron body with stainless steel straps. Meet ASTM-A536 and AWWA C800; NSF61 Certified.



**Single-Strap FNPT Outlet 3ETZ3**



**Double-Bale FNPT Outlet 3EU9**

Outlet Pipe Size	Double-Bale FNPT Outlet, Buna		Single-Strap FNPT Outlet, Buna		Single-Strap CC Outlet, Nitrile Gasket		Single-Strap IP Outlet, Nitrile Gasket	
	Item No.	N Gasket Item No.	Item No.	N Gasket Item No.	Item No.	Nitrile Gasket Item No.	Item No.	Nitrile Gasket Item No.
1"	3EU6	3ETZ8	3EU7	3ETZ9	5LGN8	5LGP4	5LGP3	
1 1/2"	3EU7	3ETZ9	3EU8	3ETZ10	5LGN9	5LGP5	5LGP5	
2"	3EU8	3ETZ10	3EU9	3ETZ11	5LGN10	5LGP6	5LGP6	
2 1/2"	3EU9	3ETZ11	3EU10	3ETZ12	5LGN11	5LGP7	5LGP7	
3"	3EU10	3ETZ12	3EU11	3ETZ13	5LGN12	5LGP8	5LGP8	
3 1/2"	3EU11	3ETZ13	3EU12	3ETZ14	5LGN13	5LGP9	5LGP9	
4"	3EU12	3ETZ14	3EU13	3ETZ15	5LGN14	5LGP10	5LGP10	
4 1/2"	3EU13	3ETZ15	3EU14	3ETZ16	5LGN15	5LGP11	5LGP11	
5"	3EU14	3ETZ16	3EU15	3ETZ17	5LGN16	5LGP12	5LGP12	
5 1/2"	3EU15	3ETZ17	3EU16	3ETZ18	5LGN17	5LGP13	5LGP13	
6"	3EU16	3ETZ18	3EU17	3ETZ19	5LGN18	5LGP14	5LGP14	
6 1/2"	3EU17	3ETZ19	3EU18	3ETZ20	5LGN19	5LGP15	5LGP15	
7"	3EU18	3ETZ20	3EU19	3ETZ21	5LGN20	5LGP16	5LGP16	
7 1/2"	3EU19	3ETZ21	3EU20	3ETZ22	5LGN21	5LGP17	5LGP17	
8"	3EU20	3ETZ22	3EU21	3ETZ23	5LGN22	5LGP18	5LGP18	
8 1/2"	3EU21	3ETZ23	3EU22	3ETZ24	5LGN23	5LGP19	5LGP19	
9"	3EU22	3ETZ24	3EU23	3ETZ25	5LGN24	5LGP20	5LGP20	
9 1/2"	3EU23	3ETZ25	3EU24	3ETZ26	5LGN25	5LGP21	5LGP21	
10"	3EU24	3ETZ26	3EU25	3ETZ27	5LGN26	5LGP22	5LGP22	
10 1/2"	3EU25	3ETZ27	3EU26	3ETZ28	5LGN27	5LGP23	5LGP23	
11"	3EU26	3ETZ28	3EU27	3ETZ29	5LGN28	5LGP24	5LGP24	
11 1/2"	3EU27	3ETZ29	3EU28	3ETZ30	5LGN29	5LGP25	5LGP25	
12"	3EU28	3ETZ30	3EU29	3ETZ31	5LGN30	5LGP26	5LGP26	
12 1/2"	3EU29	3ETZ31	3EU30	3ETZ32	5LGN31	5LGP27	5LGP27	
13"	3EU30	3ETZ32	3EU31	3ETZ33	5LGN32	5LGP28	5LGP28	

**Plastic & Rubber Flexible Pipe Fittings**

- Clamp material: 300 series stainless steel
- Max. operating pressure: 4.3 psi

Fittings connect pieces of pipe together, with or without a change in direction. They connect same or different sizes of pipes using worm clamps (use cordless No Hub Coupling Drill Driver 5HXN2, sold on page 682), and may divert, divide, or return the flow of air, water, gasoline, and chemicals in the pipe.

**Shielded Couplings**—Create rigid pipe joints that resist shear forces and a stainless steel band resist degradation from ozone, sunlight, oxidation, sand, snow, and dust. Shield material is made of 300 series stainless steel.

**Tap Saddle PVC**—Fittings are shaped like a half moon to sit on top or around a sewer pipe for faster, less costly connections.

Specific Fitting Shape	For Nominal Pipe Size	Inside Diameter	Overall Length	Pipe Fitting Material	Number of Clamps Included	Item No.	
<b>PVC Flexible Pipe Fittings</b>							
Flexible 90° Elbow	1 1/2"	1 3/8" x 1 3/8"	6 3/8 in	PVC	2	22U97	
	2"	2 1/4" x 2 1/4"	7 3/8 in	PVC	2	22U98	
	3"	3 3/8" x 3 3/8"	11 3/8 in	PVC	2	22U99	
	4"	4 7/8" x 4 7/8"	14 3/8 in	PVC	2	22U10	
	3/4"	1" x 1 1/2"	2 3/8 in	PVC	2	22J91	
	1"	1 1/4" x 1 3/8"	2 3/8 in	PVC	2	22J92	
	1 1/4"	1 3/8" x 1 3/8"	3 1/2 in	PVC	2	22U14	
	1 1/2"	1 5/8" x 1 5/8"	3 1/2 in	PVC	2	4P003	
	1 3/4"	1 7/8" x 1 7/8"	3 1/2 in	PVC	2	4P004	
	2"	2 1/4" x 2"	3 1/2 in	PVC	2	4P005	
	2 1/2"	2 3/4" x 2 3/4"	3 1/2 in	PVC	2	3HC7	
	3"	3 1/2" x 3 1/2"	3 1/2 in	PVC	2	3HC8	
Flexible Coupling	2", -1-1/2"	2 3/8" x 1 3/8"	3 1/2 in	PVC	2	4P006	
	2"	2 3/8" x 2 3/8"	3 1/2 in	PVC	2	4P007	
	3"	3 1/8" x 3 3/8"	4 in	PVC	2	4P009	
	3"	3 1/8" x 3 1/2"	3 1/2 in	PVC	2	22J89	
	3"	3 1/8" x 2 1/2"	4 in	PVC	2	3HC9	
	4"	4 1/8" x 4 3/8"	4 in	PVC	2	3HDD1	
	5"	5 1/2" x 4 1/8"	4 in	PVC	2	3HC23	
	6"	6 3/8" x 6 3/8"	5 3/4 in	PVC	2	3HC28	
	8"	8 3/8" x 6 3/8"	6 in	PVC	2	3HDA2	
	10"	10 3/8" x 10"	6 in	PVC	2	3HDA4	
	12"	12 3/8" x 1 1/4"	6 in	PVC	2	3HDA6	
	Flexible Drain Trap	1 1/8", -1-7/16"	1 1/8" x 1 1/8"	2 1/4 in	PVC	2	22U12
Flexible P-Trap	1 1/4"	1 3/8" x 1 3/8"	—	PVC	2	22U11	
Flexible Reducing Coupling	1 1/4", -2"	1 1/8" x 2 3/8"	2 3/8 in	PVC	2	22U13	
	1 1/2", -3"	3 3/8" x 1 1/8"	4 in	PVC	2	3HCY6	
	1 1/2", -4"	4 3/8" x 1 1/8"	4 in	PVC	2	3HCY7	
	2", -6"	6 3/8" x 2 3/8"	5 3/4 in	PVC	2	3HCZ4	
	2 1/8", -2-3/8"	3 1/8" x 2 3/8"	3 1/2 in	PVC	2	3HDC4	
	3"	3 1/8" x 3 3/8"	4 in	PVC	2	3HC5	
	3", -2"	3 1/2" x 2 3/8"	4 in	PVC	2	4P008	
	3", -4"	4 1/8" x 3 1/2"	4 in	PVC	2	4P010	
	4"	4 3/8" x 4 3/4"	3 1/2 in	PVC	2	22J90	
	4"	4 1/8" x 4 1/2"	4 in	PVC	2	3HDC6	
	4", -2"	4 3/8" x 2 3/8"	4 in	PVC	2	3HCY8	
	4", -5"	5 1/8" x 4 3/4"	4 in	PVC	2	3HCZ2	
4", -6"	6 3/8" x 4 1/8"	5 3/4 in	PVC	2	3HCZ6		
Flexible Tee	6"	6 3/8" x 6 1/2"	5 1/2 in	PVC	2	3HDD2	
	6", -3"	6 3/8" x 3 3/8"	5 3/4 in	PVC	2	3HCZ5	
	6", -8"	8 1/2" x 6 3/8"	6 in	PVC	2	3HDA1	
	8", -4"	8 1/2" x 4 3/8"	6 in	PVC	2	3HCZ9	
	8", -10"	10 1/4" x 8 3/8"	6 in	PVC	2	3HDA3	
	1 1/2"	1 1/8" x 1 1/8" x 1 1/8"	5 1/8 in	PVC	3	22J93	
	2"	2 1/4" x 2 1/4" x 2 1/4"	7 1/8 in	PVC	3	22J94	
	3"	3 1/8" x 3 1/8" x 3 1/8"	10 3/8 in	PVC	3	22J95	
	4"	4 1/8" x 4 1/8" x 4 1/8"	12 3/8 in	PVC	3	22J96	
	1 1/2"	—	1 1/8 in	PVC	1	22U15	
	2"	—	1 1/8 in	PVC	1	22U16	
	3"	—	1 1/8 in	PVC	1	22U17	
Round End Cap	4"	—	1 1/8 in	PVC	1	22U18	
	5"	—	2 in	PVC	1	3HDA9	
	6"	—	2 in	PVC	1	3HDC1	
	<b>Shielded Transition Couplings</b>						
	No Hub Coupling	1 1/2"	1 1/8" x 1 5/8"	2 1/8 in	Neoprene	2	22U19
		2"	2 3/8" x 2 3/8"	2 1/8 in	Neoprene	2	22U20
3"		3 3/8" x 3 1/8"	2 1/8 in	Neoprene	2	22U21	
4"		4 1/8" x 4 1/8"	2 1/8 in	Neoprene	2	22U22	
6"		6 3/8" x 5 1/2"	3 in	Neoprene	2	3HDC2	
1 1/4", -1-1/2"		1 1/8" x 1 1/4"	2 1/8 in	Neoprene	2	3HDE1	
1 1/2"		1 1/8" x 2"	2 1/8 in	Neoprene	2	22J87	
1 1/2"		2" x 1 1/8" x 3 1/8"	2 1/8 in	Neoprene	2	22J83	
1 1/2", -2"		2 3/8" x 1 1/8"	2 1/8 in	Neoprene	2	3HDE2	
2", -1-1/2"		1 1/8" x 1 1/8"	2 1/8 in	Neoprene	2	3HDD4	
2"		2 1/8" x 2 3/8"	2 1/8 in	Neoprene	2	22J88	
2"		2 5/8" x 2 1/4"	2 1/8 in	Neoprene	2	22J84	
Shielded Transition Coupling	3"	3 3/8" x 3 1/8"	2 1/8 in	Neoprene	2	3HDC3	
	3"	3 3/8" x 3 3/8"	2 1/8 in	Neoprene	2	22J85	
	4"	4 3/8" x 4 1/8"	2 1/8 in	Neoprene	2	3HDE5	
	4"	4 3/8" x 4 1/2"	2 1/8 in	Neoprene	2	22J86	
	5", -3"	5 1/2" x 3 1/2"	4 in	PVC	2	3HCZ1	
	6"	6 3/8" x 6 1/4"	3 in	Neoprene	2	3HDD7	
	8"	8 1/2" x 8 3/8"	3 1/8 in	Neoprene	2	3HDD8	
	<b>Tap Saddle PVC Flexible Pipe Fittings</b>						
	Flexible Tap Saddle Wye	4"	4 1/2" x 4 1/2"	—	PVC	3	3HDF3
		6"	6 3/8" x 6 3/8"	—	PVC	3	3HDF4