

Cole-Parmer® Threaded to Hose Barb Fittings Straight Adapters

Cole-Parmer®



Quickly and easily transition from soft tubing to a system that accepts a threaded connection using threaded barb adapters. Threads provide a tight and secure connection; a single barb on the other end of the fitting creates a tight seal to keep the tubing in place.

Available as standard or cleanroom packed. Cleanroom packed fittings are manufactured, double bagged, and sealed in an ISO Class 7 cleanroom to ensure that the integrity is not compromised. An ISO Class 7 cleanroom utilizes HEPA filtration systems to maintain air cleanliness levels of less than 10,000 particles of 0.5 µm or larger per cubic foot.

APPLICATIONS

- Instrumentation connection and industrial processes
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Single barb design tightly “grips” the tubing
- Quick and easy assembly without tools



CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

WARNING: This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

USA	+1.800.323.4340 +1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
India	+1.800.266.1244

UK	+44 (0) 1480.272279 +33 (0) 1.87170142*
	+49 (0) 937.792030*
Italy	+39.02.84349215
All others	+1.847.549.7600

Cole-Parmer®
coleparmer.com

*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Materials

PVDF (Kynar®)

- Excellent chemical resistance
- Temperature range: -35 to 135 °C (-31 to 275 °F)
- Sterilize by ethylene oxide (EtO) or autoclave
- FDA 21 CFR 177.1520(c), 21 CFR 176.170(c), 21 CFR 177.2600(c)(4)(i), NSF/ANSI Standard 51 and 61, and RoHS compliant

Its trade name, Kynar, often refers to PVDF (polyvinylidene fluoride). PVDF is a high-purity engineering thermoplastic with excellent chemical resistance, abrasion resistance, flame resistance, and UV stability. PVDF is widely used for chemical tank liners and semiconductor equipment components.

Polypropylene (PP)

- Very good chemical resistance
- Temperature range: -23 to 66 °C (-9 to 150 °F)
- Sterilize by ethylene oxide (EtO) or gamma irradiation
- FDA 21 CFR 177.1520(a)(3)(i) and (c)3.1a and RoHS compliant

Polypropylene is resistant to weak inorganic acids, organic acids, alcohols, ammonia, and oxidizing salts and has limited resistance to aliphatic hydrocarbons, esters, ketones, and ethers. Polypropylene is generally not recommended for aromatic and halogenated hydrocarbons.

Nylon

- Good chemical resistance
- Temperature range: -46 to 121 °C (-50 to 250 °F)
- Sterilize by ethylene oxide (EtO)
- FDA 21 CFR 178.3297 and RoHS compliant

Nylon is resistant to various chemicals, especially aliphatic and aromatic hydrocarbons, alkalis, greases, fuels, lubricants, and ketones. These nylon fittings are made from the same resin as natural nylon, but with FDA-compliant white coloring. They offer good tensile strength, stiffness, and impact resistance.

Polycarbonate (PC)

- Very good chemical resistance
- Sterilize by ethylene oxide (EtO) or gamma irradiation
- FDA 21 CFR 177.1580 and RoHS compliant

Polycarbonate offers very good chemical resistance to many aqueous solutions, diluted acids, alcohols, and non-aromatic hydrocarbons while maintaining excellent clarity and impact strength. It has limited resistance to strong acids, alkalis, and some solvents, and is generally not recommended for prolonged exposure to aromatic and halogenated hydrocarbons. Polycarbonate is well suited for applications requiring durability, dimensional stability, and visual inspection of flow paths.

Fittings

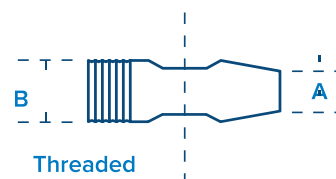
For additional options and complete offering, visit coleparmer.com.



Straight



Adapter



Threaded



Tubing

Specification and Ordering Table

Tube ID (A)	Thread Size (B)	Material	Cleanroom Packed	Item Number	Pack Size
1/16"	10-32 UNF(M)	Nylon	Y	50107-57	10
1/16"		Polycarbonate	N	50139-96	10
3/32"		Nylon	Y	50107-56	10
3/32"		Polycarbonate	N	50140-02	10
1/8"		PVDF	Y	50107-59	10
1/8"		Polypropylene	Y	50107-60	10
1/8"		Nylon	Y	50107-58	10
1/8"		Polycarbonate	N	50140-06	10
5/32"		Polycarbonate	N	50140-09	10
1/16"		10-32 Taper UNF(M)	Polycarbonate	N	50139-95
3/32"	Polycarbonate		N	50139-99	10
1/8"	Nylon		Y	50107-61	10
1/8"	Polycarbonate		N	50140-05	10
5/32"	Polycarbonate		N	50140-08	10
1/8"	1/4-28 UNF(M)	Nylon	Y	50107-69	10
5/32"		Nylon	Y	50107-68	10
1/16"	1/16" NPT (M)	Polycarbonate	N	50139-93	10
3/32"		Polycarbonate	N	50139-97	10
1/8"		Polycarbonate	N	50140-03	10
3/16"		Polycarbonate	N	50140-10	10
1/16"	1/8" NPT(M)	Polycarbonate	N	50139-94	10
3/32"		Polycarbonate	N	50139-98	10
1/8"		PVDF	Y	50107-72	10
1/8"		Polypropylene	Y	50107-73	10
1/8"		Nylon	Y	50107-71	10
1/8"		Polycarbonate	N	50140-04	10
5/32"		Polycarbonate	N	50140-07	10
3/16"		PVDF	Y	50107-74	10
3/16"		Polycarbonate	N	50140-11	10
1/4"		PVDF	Y	50107-76	10
1/4"		Nylon	Y	50107-75	10
1/4"		Polycarbonate	N	50140-12	10
3/8"		PVDF	Y	50107-78	10
3/8"		Nylon	Y	50107-77	10

Tubing ID (A)	Thread Size (B)	Material	Cleanroom Packed	Item Number	Pack Size
1/8"	1/4" NPT(M)	Nylon	Y	50107-80	10
5/32"		Nylon	Y	50107-79	10
3/16"		Nylon	Y	50107-81	10
1/4"		PVDF	Y	50107-83	10
1/4"		Polypropylene	Y	50107-84	10
1/4"		Nylon	Y	50107-82	10
5/16"		Nylon	Y	50107-85	10
3/8"		PVDF	Y	50107-87	10
3/8"		Nylon	Y	50107-86	10
1/2"		PVDF	Y	50107-88	10
1/2"		Polypropylene	Y	50107-89	10
1/4"		3/8" NPT(M)	PVDF	Y	50107-91
1/4"	Nylon		Y	50107-90	10
5/16"	PVDF		Y	50107-92	10
3/8"	PVDF		Y	50107-94	10
3/8"	Polypropylene		Y	50107-95	10
3/8"	Nylon		Y	50107-93	10
1/2"	PVDF		Y	50107-96	10
1/4"	1/2" NPT(M)	PVDF	Y	50108-01	10
1/4"		Nylon	Y	50108-00	10
5/16"		Nylon	Y	50108-02	10
3/8"		PVDF	Y	50108-04	10
3/8"		Polypropylene	Y	50108-05	10
3/8"		Nylon	Y	50108-03	10
1/2"		PVDF	Y	50108-07	10
1/2"		Polypropylene	Y	50108-08	10
1/2"		Nylon	Y	50108-06	10
5/8"		Nylon	Y	50107-97	10
3/4"		PVDF	Y	50107-99	10
3/4"	Nylon	Y	50107-98	10	
1/4"	3/4" NPT(M)	PVDF	Y	50107-65	10
3/8"		PVDF	Y	50107-66	10
1/2"		PVDF	Y	50107-67	10
3/4"		PVDF	Y	50107-62	10
3/4"		Polypropylene	Y	50107-63	10
1"		PVDF	Y	50107-64	10
1"	1" NPT(M)	PVDF	Y	50107-70	10