

Cole-Parmer® Luer to Hose Barb Fittings Cleanroom Straight Adapters

Cole-Parmer®



Quickly and easily transition from soft tubing to a system that accepts a luer connection. A single barb on one end of the fitting creates a tight seal to keep tubing in place. Luer fittings are a standardized system comprised of a male taper and a female mating part that provides a leak-free connection. Large-bore luer fittings offer higher flow rates compared to the standard luer bore size.

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.



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.

APPLICATIONS

- Chromatography, microfluidics, and syringe pumping processes
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Single barb design tightly “grips” the tubing
- Quick and easy assembly without tools
- Manufactured in an ISO Class 7 cleanroom to minimize contamination by pollutants

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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.

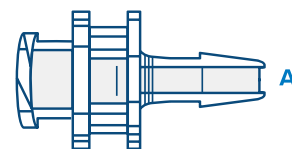
CrystalVu™

- Good chemical resistance
- Max temperature: 180 °C (356 °F)
- Sterilize by ethylene oxide (EtO), gamma irradiation, or autoclave

An alternative to polycarbonate that is free from Bisphenol-A (BPA). This alternative is boasts improved features compared to polycarbonate, such as superior chemical resistance and resilience against deformation after multiple sterilization cycles.

Fittings

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



Luer to Hose Barb



Specification and Ordering Table

Bore Size	Luer Connection	Tubing ID (A)	Material	Color	Item Number	Pack Size
Standard	Female Luer	1/16"	CrystalVu	Clear	50109-71	10
	Female Luer	1/16"	Nylon	White	50109-72	10
	Female Luer	1/16"	PVDF	Natural	50109-73	10
	Female Luer	1/16"	Nylon	Natural	50109-74	10
	Female Luer	1/16"	Polypropylene	Translucent	50109-75	10
	Female Luer	3/32"	CrystalVu	Clear	50109-66	10
	Female Luer	3/32"	Nylon	White	50109-67	10
	Female Luer	3/32"	PVDF	Natural	50109-68	10
	Female Luer	3/32"	Nylon	Natural	50109-69	10
	Female Luer	3/32"	Polypropylene	Translucent	50109-70	10
	Female Luer	1/8"	CrystalVu	Clear	50109-81	10
	Female Luer	1/8"	Nylon	White	50109-82	10
	Female Luer	1/8"	PVDF	Natural	50109-83	10
	Female Luer	1/8"	Nylon	Natural	50109-84	10
	Female Luer	1/8"	Polypropylene	Translucent	50109-85	10
	Female Luer	5/32"	CrystalVu	Clear	50109-76	10
	Female Luer	5/32"	Nylon	White	50109-77	10
	Female Luer	5/32"	PVDF	Natural	50109-78	10
	Female Luer	5/32"	Nylon	Natural	50109-79	10
	Female Luer	5/32"	Polypropylene	Translucent	50109-80	10
	Female Luer	3/16"	CrystalVu	Clear	50109-86	10
	Female Luer	3/16"	Nylon	White	50109-87	10
	Female Luer	3/16"	PVDF	Natural	50109-88	10
	Female Luer	3/16"	Nylon	Natural	50109-89	10
	Female Luer	3/16"	Polypropylene	Translucent	50109-90	10
	Female Luer	1/4"	CrystalVu	Clear	50109-91	10
	Female Luer	1/4"	Nylon	White	50109-92	10
	Female Luer	1/4"	PVDF	Natural	50109-93	10
	Female Luer	1/4"	Nylon	Natural	50109-94	10
	Female Luer	1/4"	Polypropylene	Translucent	50109-95	10
	Panel-Mount Female Luer	1/16"	CrystalVu	Clear	50114-27	10
	Panel-Mount Female Luer	1/16"	Nylon	White	50115-70	10
Panel-Mount Female Luer	1/16"	Polypropylene	Translucent	50114-32	10	
Panel-Mount Female Luer	3/32"	CrystalVu	Clear	50114-26	10	
Panel-Mount Female Luer	3/32"	Nylon	White	50115-69	10	

Bore Size	Luer Connection	Tubing ID (A)	Material	Color	Item Number	Pack Size
Standard	Panel-Mount Female Luer	3/32"	Nylon	Natural	50114-29	10
	Panel-Mount Female Luer	3/32"	Polypropylene	Translucent	50114-31	10
	Panel-Mount Female Luer	1/8"	CrystalVu	Clear	50114-28	10
	Panel-Mount Female Luer	1/8"	Nylon	White	50114-35	10
	Panel-Mount Female Luer	1/8"	Nylon	White	50115-71	10
	Panel-Mount Female Luer	1/8"	PVDF	Natural	50114-34	10
	Panel-Mount Female Luer	1/8"	Nylon	Natural	50114-30	10
	Panel-Mount Female Luer	1/8"	Polypropylene	Translucent	50114-33	10
	Male Slip Luer	1/16"	CrystalVu	Clear	50114-43	10
	Male Slip Luer	1/16"	Nylon	White	50115-32	10
	Male Slip Luer	1/16"	PVDF	Natural	50114-87	10
	Male Slip Luer	1/16"	Nylon	Natural	50115-13	10
	Male Slip Luer	1/16"	Polypropylene	Translucent	50114-61	10
	Male Slip Luer	3/32"	CrystalVu	Clear	50114-42	10
	Male Slip Luer	3/32"	Nylon	White	50115-31	10
	Male Slip Luer	3/32"	PVDF	Natural	50114-86	10
	Male Slip Luer	3/32"	Nylon	Natural	50115-12	10
	Male Slip Luer	3/32"	Polypropylene	Translucent	50114-60	10
	Male Slip Luer	1/8"	CrystalVu	Clear	50114-45	10
	Male Slip Luer	1/8"	Nylon	White	50115-34	10
	Male Slip Luer	1/8"	PVDF	Natural	50114-89	10
	Male Slip Luer	1/8"	Nylon	Natural	50115-15	10
	Male Slip Luer	1/8"	Polypropylene	Translucent	50114-63	10
	Male Slip Luer	5/32"	CrystalVu	Clear	50114-44	10
	Male Slip Luer	5/32"	Nylon	White	50115-33	10
	Male Slip Luer	5/32"	PVDF	Natural	50114-88	10
	Male Slip Luer	5/32"	Nylon	Natural	50115-14	10
	Male Slip Luer	5/32"	Polypropylene	Translucent	50114-62	10
	Male Slip Luer	3/16"	CrystalVu	Clear	50114-46	10
	Male Slip Luer	3/16"	Nylon	White	50115-35	10
	Male Slip Luer	3/16"	PVDF	Natural	50114-90	10
	Male Slip Luer	3/16"	Nylon	Natural	50115-16	10
	Male Slip Luer	3/16"	Polypropylene	Translucent	50114-64	10
	Male Slip Luer	1/4"	CrystalVu	Clear	50114-47	10
	Male Slip Luer	1/4"	Nylon	White	50115-36	10
	Male Slip Luer	1/4"	PVDF	Natural	50114-91	10
Male Slip Luer	1/4"	Nylon	Natural	50115-17	10	
Male Slip Luer	1/4"	Polypropylene	Translucent	50114-65	10	

Bore Size	Luer Connection	Tubing ID (A)	Material	Color	Item Number	Pack Size
Standard	Male Luer	1/16"	CrystalVu	Clear	50110-07	10
	Male Luer	1/16"	Nylon	White	50110-08	10
	Male Luer	1/16"	PVDF	Natural	50110-09	10
	Male Luer	1/16"	Nylon	Natural	50110-10	10
	Male Luer	3/32"	CrystalVu	Clear	50110-02	10
	Male Luer	3/32"	Nylon	White	50110-03	10
	Male Luer	3/32"	PVDF	Natural	50110-04	10
	Male Luer	3/32"	Nylon	Natural	50110-05	10
	Male Luer	3/32"	Polypropylene	Translucent	50110-06	10
	Male Luer	1/8"	CrystalVu	Clear	50110-17	10
	Male Luer	1/8"	Nylon	White	50110-18	10
	Male Luer	1/8"	PVDF	Natural	50110-19	10
	Male Luer	1/8"	Nylon	Natural	50110-20	10
	Male Luer	5/32"	CrystalVu	Clear	50110-12	10
	Male Luer	5/32"	Nylon	White	50110-13	10
	Male Luer	5/32"	PVDF	Natural	50110-14	10
	Male Luer	5/32"	Nylon	Natural	50110-15	10
	Male Luer	5/32"	Polypropylene	Translucent	50110-16	10
	Male Luer	3/16"	CrystalVu	Clear	50110-22	10
	Male Luer	3/16"	Nylon	White	50110-23	10
	Male Luer	3/16"	PVDF	Natural	50110-24	10
	Male Luer	3/16"	Nylon	Natural	50110-25	10
	Male Luer	3/16"	Polypropylene	Translucent	50110-26	10
	Male Luer	1/4"	CrystalVu	Clear	50110-27	10
	Male Luer	1/4"	Nylon	White	50110-28	10
	Male Luer	1/4"	PVDF	Natural	50110-29	10
	Male Luer	1/4"	Nylon	Natural	50110-30	10
	Male Luer Lock	1/16"	Polypropylene	Translucent	50110-11	10
	Male Luer Lock	1/8"	Polypropylene	Translucent	50110-21	10
	Male Luer Lock	1/4"	Polypropylene	Translucent	50110-31	10

Bore Size	Luer Connection	Tubing ID (A)	Material	Color	Item Number	Pack Size
Standard	Rotating Male Luer Lock	1/16"	CrystalVu	Clear	50114-37	10
	Rotating Male Luer Lock	1/16"	Nylon	White	50115-07	10
	Rotating Male Luer Lock	1/16"	Polypropylene	Translucent	50114-55	10
	Rotating Male Luer Lock	3/32"	CrystalVu	Clear	50114-36	10
	Rotating Male Luer Lock	3/32"	Nylon	White	50115-06	10
	Rotating Male Luer Lock	3/32"	Polypropylene	Translucent	50114-54	10
	Rotating Male Luer Lock	1/8"	CrystalVu	Clear	50114-39	10
	Rotating Male Luer Lock	1/8"	Nylon	White	50115-09	10
	Rotating Male Luer Lock	1/8"	Polypropylene	Translucent	50114-57	10
	Rotating Male Luer Lock	5/32"	CrystalVu	Clear	50114-38	10
	Rotating Male Luer Lock	5/32"	Nylon	White	50115-08	10
	Rotating Male Luer Lock	5/32"	Polypropylene	Translucent	50114-56	10
	Rotating Male Luer Lock	3/16"	CrystalVu	Clear	50114-40	10
	Rotating Male Luer Lock	3/16"	Nylon	White	50115-10	10
	Rotating Male Luer Lock	3/16"	Polypropylene	Translucent	50114-58	10
	Rotating Male Luer Lock	1/4"	CrystalVu	Clear	50114-41	10
	Rotating Male Luer Lock	1/4"	Nylon	White	50115-11	10
	Rotating Male Luer Lock	1/4"	Polypropylene	Translucent	50114-59	10
	Stationary Male Luer	1/16"	Polypropylene	Translucent	50114-67	10
	Stationary Male Luer	1/8"	Polypropylene	Translucent	50114-69	10
	Stationary Male Luer	1/4"	Polypropylene	Translucent	50114-71	10
	Stationary Male Luer Lock	1/16"	CrystalVu	Clear	50114-49	10
	Stationary Male Luer Lock	1/16"	Nylon	White	50115-38	10
	Stationary Male Luer Lock	3/32"	CrystalVu	Clear	50114-48	10
	Stationary Male Luer Lock	3/32"	Nylon	White	50115-37	10
	Stationary Male Luer Lock	3/32"	Polypropylene	Translucent	50114-66	10
	Stationary Male Luer Lock	1/8"	CrystalVu	Clear	50114-51	10
	Stationary Male Luer Lock	1/8"	Nylon	White	50115-40	10
	Stationary Male Luer Lock	5/32"	CrystalVu	Clear	50114-50	10
	Stationary Male Luer Lock	5/32"	Nylon	White	50115-39	10
	Stationary Male Luer Lock	5/32"	Polypropylene	Translucent	50114-68	10
	Stationary Male Luer Lock	3/16"	CrystalVu	Clear	50114-52	10
	Stationary Male Luer Lock	3/16"	Nylon	White	50115-41	10
	Stationary Male Luer Lock	3/16"	Polypropylene	Translucent	50114-70	10
Stationary Male Luer Lock	1/4"	CrystalVu	Clear	50114-53	10	
Stationary Male Luer Lock	1/4"	Nylon	White	50115-42	10	

Bore Size	Luer Connection	Tubing ID (A)	Material	Color	Item Number	Pack Size
Large	Female Luer	3/16"	CrystalVu	Clear	50109-26	10
	Female Luer	3/16"	Nylon	White	50109-27	10
	Female Luer	3/16"	PVDF	Natural	50109-28	10
	Female Luer	3/16"	Nylon	Natural	50109-29	10
	Female Luer	3/16"	Polypropylene	Translucent	50109-30	10
	Female Luer	1/4"	CrystalVu	Clear	50109-31	10
	Female Luer	1/4"	Nylon	White	50109-32	10
	Female Luer	1/4"	PVDF	Natural	50109-33	10
	Female Luer	1/4"	Nylon	Natural	50109-34	10
	Female Luer	1/4"	Polypropylene	Translucent	50109-35	10
	Female Luer	5/16"	CrystalVu	Clear	50109-36	10
	Female Luer	5/16"	Nylon	White	50109-37	10
	Female Luer	5/16"	PVDF	Natural	50109-38	10
	Female Luer	5/16"	Nylon	Natural	50109-39	10
	Female Luer	5/16"	Polypropylene	Translucent	50109-40	10
	Male Luer	3/16"	CrystalVu	Clear	50109-51	10
	Male Luer	3/16"	Nylon	White	50109-52	10
	Male Luer	3/16"	PVDF	Natural	50109-53	10
	Male Luer	3/16"	Nylon	Natural	50109-54	10
	Male Luer	3/16"	Polypropylene	Translucent	50109-55	10
	Male Luer	1/4"	CrystalVu	Clear	50109-56	10
	Male Luer	1/4"	Nylon	White	50109-57	10
	Male Luer	1/4"	PVDF	Natural	50109-58	10
	Male Luer	1/4"	Nylon	Natural	50109-59	10
	Male Luer	1/4"	Polypropylene	Translucent	50109-60	10
	Male Luer	5/16"	CrystalVu	Clear	50109-61	10
	Male Luer	5/16"	Nylon	White	50109-62	10
	Male Luer	5/16"	PVDF	Natural	50109-63	10
	Male Luer	5/16"	Nylon	Natural	50109-64	10
	Male Luer	5/16"	Polypropylene	Translucent	50109-65	10