

Luer to Plug and Cap Fittings Straight Adapters

Cole-Parmer®



Quickly and easily stop the flow from a luer connection using plug and cap adapters. 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.

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.



CERTIFICATION

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

APPLICATIONS

- Syringe connections, chromatography, and microfluidics
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Seal luer ports with a secure and leak-proof connection
- Ideal for capping or plugging fluid transfer systems
- Prevent contamination by closing open fluid paths
- Quick and easy assembly without tools

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

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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

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 used for chemical tank liners and semiconductor 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

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.

Nylon

- Good chemical resistance
- Temperature range: -46 to 121 °C (-50 to 250 °F)
- Sterilize by ethylene oxide (EtO)

Nylon is resistant to aliphatic and aromatic hydrocarbons, alkalis, greases, fuels, lubricants, and ketones. White 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

Polycarbonate offers very good chemical resistance to many aqueous solutions, diluted acids, alcohols, and non-aromatic hydrocarbons while maintaining excellent clarity and impact strength. Polycarbonate is well suited for applications requiring durability, dimensional stability, and visual inspection of flow paths.

CrystalVu™

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

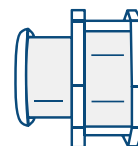
An alternative to polycarbonate that is free from Bisphenol-A (BPA). This alternative is boasts improved features compared to polycarbonate, such as superior chemical resistance and resilience against deformation after multiple sterilization cycles.

Fittings

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



Straight



Luer to Plug

Specification and Ordering Table

Bore Size	Luer Connection	Material	Cleanroom Packed	Color	Item Number	Pack Size
Standard	Female Luer	CrystalVu	Y	Clear	50109-96	10
	Female Luer	Nylon	Y	White	50109-97	10
	Female Luer	PVDF	Y	Natural	50109-98	10
	Female Luer	Nylon	Y	Natural	50109-99	10
	Female Luer	Polypropylene	Y	Translucent	50110-00	10
	Female Luer	Polycarbonate	N	Clear	50120-41	25
	Female Luer	Nylon	N	White	50120-53	25
	Female Luer with Tether	Polypropylene	Y	Translucent	50110-01	10
	Male Luer Slip	CrystalVu	Y	Clear	50110-54	10
	Male Luer Slip	Nylon	Y	White	50110-55	10
	Male Luer Slip	PVDF	Y	Natural	50110-56	10
	Male Luer Slip	Nylon	Y	Natural	50110-58	10
	Male Luer Slip	Polypropylene	Y	Translucent	50110-57	10
	Male Luer Slip, Closed at Grip	Nylon	N	White	50120-81	25
	Male Luer Slip, Closed at Grip	Polypropylene	N	Translucent	50120-82	25
	Male Luer	CrystalVu	Y	Clear	50110-32	10
	Male Luer	Nylon	Y	White	50110-33	10
	Male Luer	PVDF	Y	Natural	50110-34	10
	Male Luer	Nylon	Y	Natural	50110-35	10
	Male Luer	Polypropylene	Y	Translucent	50110-36	10
	Rotating Male Luer	CrystalVu	Y	Clear	50110-37	10
	Rotating Male Luer	Nylon	Y	White	50110-38	10
	Rotating Male Luer	PVDF	Y	Natural	50110-39	10
	Rotating Male Luer	Nylon	Y	Natural	50110-40	10
	Rotating Male Luer	Polypropylene	Y	Translucent	50110-41	10
	Male Luer Lock	CrystalVu	Y	Clear	50110-49	10
	Male Luer Lock	Nylon	Y	White	50110-50	10
	Male Luer Lock	PVDF	Y	Natural	50110-51	10
	Male Luer Lock	Nylon	Y	Natural	50110-52	10
	Male Luer Lock	Polypropylene	Y	Translucent	50110-53	10
	Male Luer Lock, Closed at Grip	Polycarbonate	N	Clear	50120-09	25
	Male Luer Lock, Closed at Tip	Nylon	N	White	50120-74	25
Male Luer Lock, Closed at Tip	Polypropylene	N	Translucent	50120-75	25	

Bore Size	Luer Connection	Material	Cleanroom Packed	Color	Item Number	Pack Size
Standard	Luer Lock Plug Nut Assembly	Nylon	Y	Berry	50110-42	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Lime	50110-43	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Orange	50110-44	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Natural	50110-45	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Rose	50110-46	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Violet	50110-47	10
	Luer Lock Plug Nut Assembly	Nylon	Y	Yellow	50110-48	10
Large	Female Luer	CrystalVu	Y	Clear	50109-41	10
	Female Luer	Nylon	Y	White	50109-42	10
	Female Luer	PVDF	Y	Natural	50109-43	10
	Female Luer	Nylon	Y	Natural	50109-44	10
	Female Luer	Polypropylene	Y	Translucent	50109-45	10
	Male Luer	CrystalVu	Y	Clear	50109-46	10
	Male Luer	Nylon	Y	White	50109-47	10
	Male Luer	PVDF	Y	Natural	50109-48	10
	Male Luer	Nylon	Y	Natural	50109-49	10
	Male Luer	Polypropylene	Y	Translucent	50109-50	10