

## Cole-Parmer® Hose Barb to Plug Fittings Cleanroom, Straight Adapters

Cole-Parmer®



Quickly and easily stop the flow from a hose barb connection using plug adapters. A single barb on one end of the fitting creates a tight seal to keep the tubing in place.

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

- Bioprocessing fluid transfer, peristaltic pump systems, and general lab applications
- General-purpose, laboratory, and single-use applications

### FEATURES/BENEFITS

- Single barb design tightly “grips” the tubing
- Quick and easy assembly without tools
- Seal tubing ports with a secure and leak-proof connection
- Prevent contamination by closing open fluid paths
- Manufactured in an ISO Class 7 certified cleanroom to minimize contamination by pollutants

**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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Italy	+49 (0) 937.792030*
All others	+39.02.84349215 +1.847.549.7600

**Cole-Parmer®**  
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\*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 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

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)

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.

## Fittings

For additional options and complete offering, visit [coleparmer.com](http://coleparmer.com).



**Hose Barb to Plug Fitting**

## Specification and Ordering Table

Tubing ID	Material	Color	Item Number	Pack Size
1/16"	Nylon	White	<a href="#">50110-61</a>	10
1/16"	PVDF	Natural	<a href="#">50110-62</a>	10
1/16"	Polypropylene	Translucent	<a href="#">50110-63</a>	10
3/32"	Polypropylene	Translucent	<a href="#">50110-59</a>	10
1/8"	Nylon	White	<a href="#">50110-70</a>	10
1/8"	PVDF	Natural	<a href="#">50110-71</a>	10
1/8"	Polypropylene	Translucent	<a href="#">50110-72</a>	10
5/32"	PVDF	Natural	<a href="#">50110-68</a>	10
5/32"	Polypropylene	Translucent	<a href="#">50110-69</a>	10
3/16"	PVDF	Natural	<a href="#">50110-73</a>	10
3/16"	Polypropylene	Translucent	<a href="#">50110-74</a>	10
1/4"	PVDF	Natural	<a href="#">50110-75</a>	10
1/4"	Polypropylene	Translucent	<a href="#">50110-76</a>	10
3/8"	PVDF	Natural	<a href="#">50110-77</a>	10
3/8"	Polypropylene	Translucent	<a href="#">50110-78</a>	10
1/2"	PVDF	Natural	<a href="#">50110-79</a>	10
1/2"	Polypropylene	Translucent	<a href="#">50110-80</a>	10
5/8"	Polypropylene	Translucent	<a href="#">50110-60</a>	10
3/4"	PVDF	Natural	<a href="#">50110-64</a>	10
3/4"	Polypropylene	Translucent	<a href="#">50110-65</a>	10
1"	PVDF	Natural	<a href="#">50110-66</a>	10
1"	Polypropylene	Translucent	<a href="#">50110-67</a>	10