

Thermobarb® Plastic

Plastic Barbed Fittings & Hose Nipples



Recommended for  **BrewSavor**
by NewAge Industries

ESOP
Employee Owned
for Your Benefit

Certified

Corporation



A Solar Powered,
Zero Landfill Company

 **NEWAGE
INDUSTRIES**

Fluid Transfer Specialists®

Plastic Barbed Fittings & Hose Nipples



- Precision molded in nylon-6, high density polyethylene, PVDF, polypropylene, glass-fiber reinforced nylon, or glass-fiber reinforced polypropylene
- Lightweight, compact, easy to install and disconnect
- High impact strength
- Excellent chemical resistance
- REACH and RoHS compliant
- Free of phthalates



Notes

NATURAL NYLON Series 500

- Formulated to resist physical stress and abrasion
- Material: nylon 6 compound, NSF-51 and NSF-61 listed; FDA-approved ingredients
- Free of animal derived ingredients and conflict minerals
- Maximum Operating Temperature**: 149°F
- Excellent mechanical properties and strength
- Limited styles in 1-1/4" and 1-1/2" sizes are available; call for details

BLACK POLYETHYLENE (PE) Series 501

- Formulated for chemical compatibility and high impact resistance at lower temperatures
- Material: bimodal polyethylene
- Free of animal derived ingredients, conflict minerals and BPA
- Minimum Temperature**: -103°F

NATURAL PVDF Series 507

- Formulated to resist creep and fatigue under mechanical stress and load
- Offers excellent resistance to abrasion and UV
- Excellent chemical resistance
- Material: semi-crystalline, low molecular weight, vinylidene fluoride polymer with FDA and USP Class VI approved ingredients
- Free of animal derived ingredients, conflict minerals and BPA
- California Prop 65 compliant
- Maximum Operating Temperature**: 239°F

NATURAL POLYPROPYLENE (NATURAL PP) Series 502

- Formulated for excellent chemical and solvent resistance
- Material: high impact polypropylene copolymer, FDA-approved ingredients
- Free of animal derived ingredients, conflict minerals and BPA
- California Prop 65 compliant
- Maximum Operating Temperature**: 220°F
- A robust barb and fitting design

BLACK POLYPROPYLENE (BLACK PP) Series 508

- Formulated for excellent chemical and solvent resistance
- Material: high impact polypropylene copolymer, FDA-approved ingredients
- Free of animal derived ingredients, conflict minerals and BPA
- California Prop 65 compliant
- Maximum Operating Temperature**: 220°F
- A robust barb and fitting design

See page 6 for other POLYPROPYLENE Thermobarb fittings in styles such as Y and 4-way connectors.

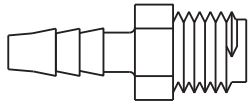
**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application. Clamps must be used in higher pressure applications; testing recommended.

Recommended Clamps

- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Plastic Barbed Fittings & Hose Nipples

■ Note that sizes are listed first due to the variety of materials offered



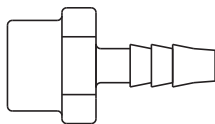
Male Adapter

HOSE ID x NPT (IN.)	PART NO. NYLON	PART NO. PE	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY
5/32 x 1/8			502 2983*	508 0110*	100
3/16 x 1/8	500 0030		502 3004*	508 0131	100
3/16 x 1/4		501 0173	502 3025	508 0152	100
1/4 x 1/8	500 0065	501 0068	502 3067*	508 0194*	100
1/4 x 1/4	500 0205	501 0208	502 3088*	508 0215	100
1/4 x 3/8			502 3109		100
1/4 x 1/2	500 0555*	501 0558			100
5/16 x 1/8		501 0103*	502 3172		100
5/16 x 1/4	500 0240*	501 0243	502 3193*		100
3/8 x 1/8	500 0135	501 0138	502 3235*		100
3/8 x 1/4	500 0275	501 0278		508 0383	100
3/8 x 3/8	500 0415	501 0418			100
3/8 x 1/2	500 0590	501 0593	502 3298*		100
3/8 x 3/4	500 0800	501 0768*	502 3326		100
1/2 x 1/4	500 0310	501 0313	502 3347*		100
1/2 x 3/8	500 0450	501 0453			100
1/2 x 1/2	500 0625	501 0628	502 3389*	508 0516	100
1/2 x 3/4	500 0835	501 0803			100
5/8 x 3/8	500 0485				100
5/8 x 1/2	500 0660				100
5/8 x 3/4	500 0870	501 0838			100
3/4 x 1/2	500 0695	501 0698	502 3501*		100
3/4 x 3/4	500 0905	501 0873	502 3522*	508 0649	50 or 100##
3/4 x 1	500 0975*		502 3543		100
1 x 3/4	500 0940				100
1 x 1	500 1010				100



Connector

HOSE ID (IN.)	PART NO. NYLON	PART NO. PE	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY
1/8	500 1185^	501 1048^		508 0922^	100
3/16	500 1220	501 1083	502 3809*		100
1/4	500 1255	501 1118	502 3823*		100
5/16	500 1290	501 1153	502 3837*		100
3/8	500 1325	501 1188	502 3851*		100
1/2	500 1360	501 1223			100
5/8	500 1395*				100
3/4	500 1430	501 1293	502 3893*		50 or 100‡



Female Adapter

HOSE ID x FNPT (IN.)	PART NO. NYLON	PACKAGE QUANTITY
3/16 x 1/4	500 5868^	100
1/4 x 1/4	500 5903	100
3/8 x 1/8	500 5966*	100
3/8 x 1/4	500 5973	100
3/8 x 1/2	500 5987	100
1/2 x 1/4	500 6022	100
1/2 x 3/8	500 6029	100
1/2 x 1/2	500 6036	100
5/8 x 1/2	500 6064	100
3/4 x 3/4	500 6106	100

^Available in single-barb style only — actual product differs from illustration.

*Limited stock availability; lead times and minimums may apply — call for details.

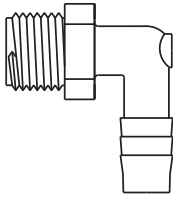
‡Nylon and PE sold in quantities of 100 pcs; other materials sold in quantities of 50 pcs.

##Natural PP sold in quantities of 50 pcs; other materials sold in quantities of 100 pcs.

Plastic Barbed Fittings & Hose Nipples

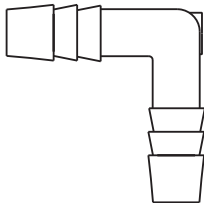
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Male 90° Elbow



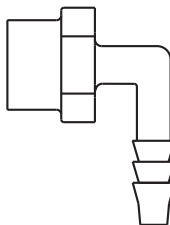
HOSE ID x NPT (IN.)	PART NO. NYLON	PART NO. PE	PART NO. PVDF*†	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY EXCEPT PVDF†
3/16 x 1/8	500 3215	501 3008			508 2483*	100
3/16 x 1/4	500 3355 [^]			502 5370		100
1/4 x 1/8		501 3043			508 2539*	100
1/4 x 1/4	500 3390	501 3183		502 5426*	508 2553*	100
1/4 x 3/8	500 3530*	501 3323*		502 5440*		10 or 100#
5/16 x 1/8	500 3285	501 3078				100
5/16 x 1/4	500 3425	501 3218		502 5517*		100
3/8 x 1/8		501 3113		502 5566*		100
3/8 x 1/4	500 3460	501 3253	507 2641	502 5580*	508 2707	100
3/8 x 3/8	500 3565	501 3393				100
3/8 x 1/2	500 3705	501 3533				100
3/8 x 3/4				502 5622*		100
1/2 x 1/4	500 3495	501 3288			508 2798*	100
1/2 x 3/8	500 3600					100
1/2 x 1/2	500 3740	501 3568		502 5699	508 2826	100
1/2 x 3/4	500 3950	501 3743*				50 or 100††
5/8 x 3/8		501 3463		502 5748*	508 2875*	100
5/8 x 1/2	500 3775	501 3603		502 5762*		100
5/8 x 3/4	500 3985					100
3/4 x 1/2	500 3810	501 3638				100
3/4 x 3/4	500 4020	501 3813				100
1 x 1/2	500 3845					100
1 x 3/4	500 4055*					50
1 x 1					508 3043*	100

Barbed 90° Elbow



HOSE ID x HOSE ID (IN.)	PART NO. NYLON	PART NO. PE	PART NO. PVDF*†	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY EXCEPT PVDF†
1/4 x 1/4	500 2795	501 2623		502 5041*		100
3/8 x 3/8	500 2830	501 2658		502 5076	508 2203	100
1/2 x 1/4	500 2865*					100
1/2 x 3/8	500 2900			502 5125*		100
1/2 x 1/2	500 2935	501 2763				100
5/8 x 5/8	500 2970	501 2798	507 2235	502 5174		100
1 x 1	500 3040*					50

Female 90° Elbow



HOSE ID x FNPT (IN.)	PART NO. NYLON	PACKAGE QUANTITY
1/4 x 1/4	500 5574	100
3/8 x 1/8	500 5637*	100
3/8 x 1/4	500 5644	100
3/8 x 3/8	500 5651*	100
1/2 x 1/4	500 5686	100
1/2 x 3/8	500 5693	100
1/2 x 1/2	500 5700	100

[^]Available in single-barb style only — actual product differs from illustration.

*Limited stock availability; lead times and minimums may apply — call for details.

†PVDF fittings are packaged and sold in bags of 5,000 fittings per bag.

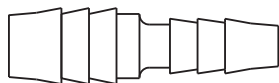
††Nylon sold in quantities of 100 pcs; other materials sold in quantities of 50 pcs.

#PE sold in quantities of 10 pcs; other materials sold in quantities of 100 pcs.

Plastic Barbed Fittings & Hose Nipples

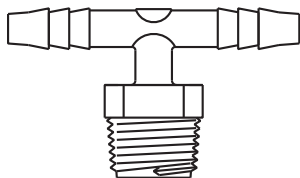
■ Note that sizes are listed first due to the variety of materials offered

Reducer Connector



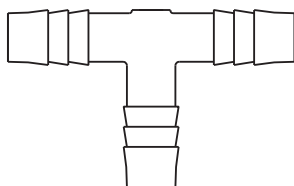
HOSE ID x HOSE ID (IN.)	PART NO. NYLON	PART NO. PE	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY
1/4 x 1/8	500 1640		502 4019*	508 1146	100
1/4 x 3/16	500 1675	501 1538*			100
3/8 x 1/4	500 1710	501 1573	502 4047*		100
1/2 x 1/4	500 1745	501 1608		508 1188*	100
1/2 x 3/8	500 1780	501 1643		508 1237*	100
5/8 x 3/8	500 1815		502 4131		100
5/8 x 1/2	500 1850*		502 4187		100

Male Tee



HOSE ID x NPT (IN.)	PART NO. NYLON	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY
3/16 x 1/8	500 4265	502 6028*	508 3155*	100
3/16 x 1/4		502 6042		100
1/4 x 1/8	500 4300			100
1/4 x 1/4	500 4370	502 6091*		100
1/4 x 3/8	500 4475*			100
3/8 x 1/4			508 3281*	100
3/8 x 3/8	500 4510*	502 6168*		100
1/2 x 1/2	500 4615	502 6259		100

Barbed Tee



HOSE ID x HOSE ID x HOSE ID (IN.)	PART NO. NYLON	PART NO. PE	PART NO. PVDF*†	PART NO. NATURAL PP	PART NO. BLACK PP	PACKAGE QUANTITY EXCEPT PVDF†
1/8 x 1/8 x 1/8		501 4513^		502 6483^*		100
5/32 x 5/32 x 5/32				502 6546^*		100
3/16 x 3/16 x 3/16	500 5000^	501 4618^		502 6595^	508 3722^	100
3/16 x 3/8 x 3/8				502 6616*		100
1/4 x 1/4 x 1/4	500 5070	501 4688		502 6665	508 3792	100
1/4 x 3/8 x 3/8	500 5140	501 4758			508 3820*	100
1/4 x 1/2 x 1/2		501 4793				100
5/16 x 5/16 x 5/16	500 5210	501 4828		502 6756*	508 3883*	100
3/8 x 3/8 x 3/8	500 5245	501 4898	507 3866	502 6805		100
3/8 x 1/2 x 1/2				502 6826		100
1/2 x 3/8 x 3/8	500 5315*	501 4968*		502 6875*		100
1/2 x 1/2 x 1/2	500 5350	501 5003	507 3957	502 6896*		50 or 100‡
5/8 x 5/8 x 5/8	500 5385	501 5038			508 4072	100
3/4 x 3/4 x 3/4	500 5420	501 5073	507 4055			50 or 100‡
1 x 1 x 1				502 7043		100

^Available in single-barb style only — actual product differs from illustration.

*Limited stock availability; lead times and minimums may apply — call for details.

†PVDF fittings are packaged and sold in bags of 5,000 fittings per bag.

‡Nylon and PE sold in quantities of 100 pcs; other materials (except PVDF) sold in quantities of 50 pcs.

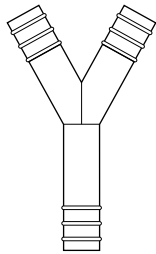
Plastic Barbed Fittings & Hose Nipples

FDA-APPROVED POLYPROPYLENE (FDA PP) Series 509

- Excellent temperature and chemical resistance
- Material: polypropylene homopolymer, FDA approved ingredients
- Free of BPA
- California Prop 65 and EMEA 410 compliant
- Low profile ribs for easy assembly
- Lightweight
- Gamma sterilizable
- Widely used in industry and laboratories
- Maximum Operating Temperature**: 207°F

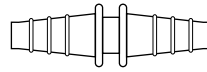
Note: Older style barbs, which differ from ribs, still exist in some inventory, depending on size.

**Values listed at left are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application. Clamps must be used in higher pressure applications; testing recommended.



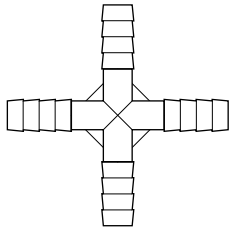
'Y' Connector

PART NO.	HOSE ID (IN.)
509 0596	1/8
509 0631	3/16
509 0666	1/4
509 0701	3/8
509 0736	7/16
509 0771	1/2
509 0806	9/16



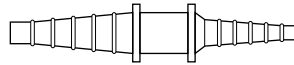
Connector

PART NO.	HOSE ID (IN.)
509 0106	1/8 – 7/32
509 0141	3/16 – 5/16
509 0176	1/4 – 3/8
509 0211	3/8 – 7/16
509 0246	7/16 – 9/16
509 0281	1/2 – 5/8



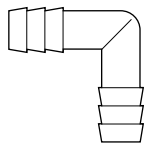
4-Way Connector

PART NO.	HOSE ID (IN.)
509 0946	1/8
509 0981	3/16
509 1016	1/4
509 1086	7/16
509 1121	1/2



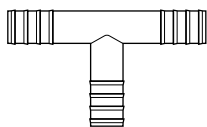
Reducer Connector

PART NO.	HOSE ID (IN.)
509 0421	1/8 – 5/16 and 1/4 – 7/16
509 0456	1/8 – 5/16 and 7/16 – 5/8



Barbed 90° Elbow

PART NO.	HOSE ID (IN.)
509 1681	1/8
509 1716	3/16
509 1751	1/4
509 1786	3/8
509 1891	9/16

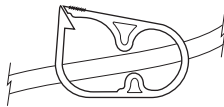


Barbed Tee

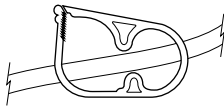
PART NO.	HOSE ID (IN.)
509 2031	1/8
509 2101	1/4
509 2171	7/16

Part numbers on this page beginning with 509 are sold in increments of 10 pieces.

Plastic Barbed Fittings & Hose Nipples



502 2521



502 2556 & 502 2591

Pinch Clamp

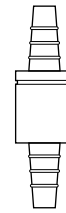
- Chemical resistant
- Autoclavable
- One piece construction for easy operation; no sharp edges to damage tubing
- Free of animal derived ingredients and conflict minerals
- Accurate flow rate*
- Gamma stable†
- Free of BPA; California Prop 65 compliant††

PART NO. POLYPROPYLENE	PART NO. POLYESTER	TUBING OD (IN.)
502 2521		Fits up to 1/4
502 2556		Fits up to 1/2
	502 2591	Fits up to 3/4

*Applies to 502 2556 and 502 2591 only. 502 2521 does not offer an adjustable flow rate; open or closed only.

†Applies to 502 2521 and 502 2591 only. Discoloration may occur from exposure.

††Applies to 502 2521 and 502 2556 only.

**Check Valve**

- Prevents back flow of liquid when pressure is stopped
- Body made of polypropylene
- Internal gasket made of Dutral synthetic rubber
- Made from FDA approved ingredients
- Free of BPA and latex
- EMEA 410 compliant

PART NO.	TUBING ID (IN.)
509 2451	1/4 – 3/8
509 2465	7/16 – 5/8

Reinforced Nipples

- Made from glass fiber-reinforced nylon (yellow in color) or glass fiber-reinforced polypropylene (black in color)
- High impact strength yet much lighter in weight than metal
- Resistant to most hydrocarbons, solvents, mild acids, and agricultural chemicals
- Made to MIL-C-27487 dimensions; fully interchangeable with other materials made to the same standard
- Electrically non-conductive

Glass Fiber Reinforced Nylon

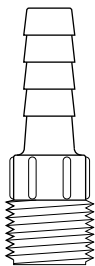
Temperature Range**: -30°F to 200°F

Working Pressure**: 1/2" thru 1" 175 psi
1-1/4" thru 2" 150 psi

Glass Fiber Reinforced Polypropylene

Temperature Range**: 10°F to 180°F

Working Pressure**: 1/2" thru 1" 125 psi
1-1/4" thru 2" 100 psi

**Hose Nipples – Hose x MNPT**

PART NO. NYLON	PART NO. POLYPROPYLENE	SIZE (IN.)
560 3297*	561 3832*	1/2
560 3325*	561 3860*	3/4
560 3353	561 3888	1
560 3381*	561 3916*	1-1/4
560 3409	561 3944*	1-1/2
560 3437	561 3972*	2

*Limited stock availability; lead times and minimums may apply — call for details.

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PVC A Wide Range of Styles

- Chemical and corrosion resistance with rubber-like flexibility
- Choose from various construction options: braid reinforced, unreinforced, rigid pipe, wire reinforced, push-on style, spiral reinforced
- NSF, antimicrobial and DEHP-free versions available
- Applications include general industrial, food and beverage, pharmaceutical and medical, protective coverings, equipment components, many more



Silicone Platinum or Peroxide Cured, Medical Grades

- Braid-reinforced hose or unreinforced tubing
- Flexible, resilient, odorless
- Ingredients meet USP Class VI and FDA requirements
- Handles temperatures ranging from -100°F to 500°F
- Peroxide or platinum cured



Polyurethane Braid-Reinforced or Unreinforced

- Select from reinforced hose or ester or ether based unreinforced tubing
- Naturally flexible – no plasticizers to migrate out and cause flow contamination
- Resistant to weathering, moisture, chemicals, petroleum products
- Well-suited for applications involving repeated flexing, vibration, abrasion situations, radiation exposure, impact

Request a Fittings & Clamps catalog

Inside you'll find details on all of NewAge Industries' barbed fittings and clamps. Catalogs for PVC, polyurethane, silicone, fluoropolymer, rubber, and semi-rigid tubing and hose are available, as well as push-to-connect fittings and custom products. Contact your NewAge Industries' sales representative or local distributor to request a copy of the catalog you need, or visit www.newageindustries.com.



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WARRANTY: NewAge Industries' products are warranted to be free from defects in material and workmanship. Any product found to carry such defects will be replaced without charge. This warranty is limited only to the replacement of NewAge Industries' products, item for item, which after examination by NewAge Industries are deemed defective. NewAge Industries specifically disclaims any other liability. The data supplied is provided as a helpful guideline and is believed to be reliable; however, nothing stated shall constitute a guarantee, recommendation, or warranty for any application.

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11/21/23

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