Lightweight tube connectors distinguished by high strength, toughness, resistance to abrasion and impact resistance.

Temperature range	-40 °C to 80 °C
Max. allowable pressure	10 bar

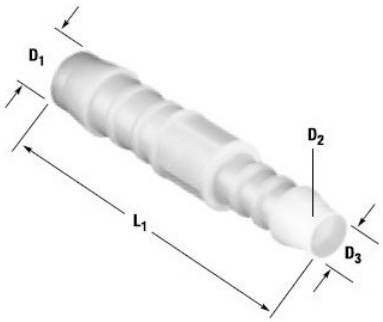
34.413

Hose connector, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	L_1 mm
110988	34.410	I.D. 3	2.5	25.0
110989	34.411	I.D. 4	2.7	35.0
110990	34.411/5	I.D. 5	3.0	45.0
110991	34.412	I.D. 6	4.0	49.0
110992	34.413	I.D. 8	5.6	56.0
110993	34.414	I.D. 10	7.0	63.0
110994	34.415	I.D. 12	8.6	66.5
110995	34.416	I.D. 13	8.6	73.0
110996	34.417	I.D. 16	12.0	75.0
110997	34.418	I.D. 19	15.0	76.0
110998	34.419	I.D. 25	21.0	95.0

Tube connectors

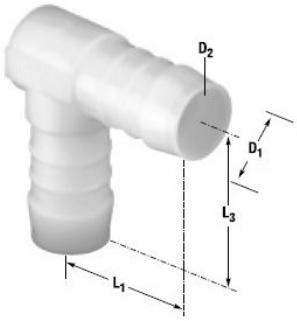
Acetal copolymer (POM)
Art. No. 110988 to 111055



34.424

Hose connector, unequal, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_3 mm	D_2 mm	L_1 mm
110999	34.420	I.D. 4	3.0	2.5	30.0
111000	34.421	I.D. 6	4.0	2.7	42.5
111001	34.422	I.D. 8	4.0	2.7	48.0
111002	34.423	I.D. 8	6.0	4.0	54.0
111003	34.424	I.D. 10	6.0	4.0	58.0
111004	34.425	I.D. 10	8.0	5.6	60.5
111005	34.426	I.D. 12	8.0	5.6	62.5
111006	34.427	I.D. 12	10.0	7.0	64.0



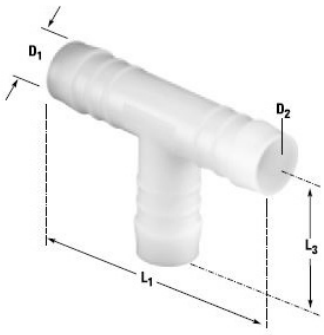
34.813

Hose union elbow, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	L_1 mm	L_3 mm
111007	34.809	I.D. 3	2.5	12.5	12.5
111008	34.811	I.D. 4	2.5	17.5	19.5
111009	34.811/5	I.D. 5	3.0	21.0	22.0
111010	34.812	I.D. 6	4.0	25.0	26.0
111011	34.813	I.D. 8	5.6	29.0	30.0
111012	34.814	I.D. 10	7.0	31.0	33.5
111013	34.815	I.D. 12	8.6	34.5	36.0
111014	34.816	I.D. 13	8.6	36.5	38.5
111015	34.817	I.D. 16	12.0	40.5	45.0
111016	34.818	I.D. 19	15.0	43.5	46.0
111017	34.819	I.D. 25	21.0	52.5	52.5

Tube connectors

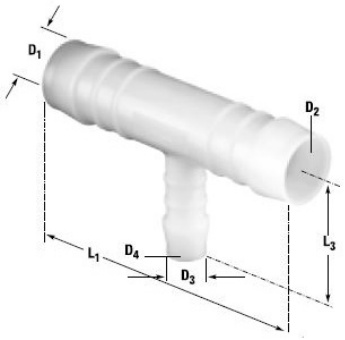
Acetal copolymer (POM)
Art. No. 110988 to 111055



35.513

Tee hose connector, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	L_1 mm	L_3 mm
111018	35.510	I.D. 3	2.5	25.0	12.5
111019	35.511	I.D. 4	2.7	35.0	19.5
111020	35.511/5	I.D. 5	3.0	42.0	22.0
111021	35.512	I.D. 6	4.0	50.0	26.0
111022	35.513	I.D. 8	5.6	58.0	30.0
111023	35.514	I.D. 10	7.0	62.5	33.5
111024	35.515	I.D. 12	8.6	69.0	36.0
111025	35.516	I.D. 13	8.6	68.0	36.0
111026	35.517	I.D. 16	12.0	81.0	45.0
111027	35.518	I.D. 19	15.0	85.0	45.0
111028	35.519	I.D. 25	21.0	105.0	52.5



35.524

Reducing T push-on connector, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	For hose D_3 mm	I.D. D_4 mm	L_1 mm	L_2 mm
111029	35.520	I.D. 3	2.5	I.D. 4	2.5	25.0	17.5
111030	35.521	I.D. 4	2.7	I.D. 6	4.0	37.0	24.0
111031	35.522	I.D. 6	4.0	I.D. 4	2.5	49.0	20.5
111032	35.523	I.D. 8	5.6	I.D. 4	2.5	56.0	22.0
111033	35.524	I.D. 8	5.6	I.D. 6	4.0	56.0	28.0
111034	35.525	I.D. 10	7.0	I.D. 6	4.0	62.0	28.0
111035	35.526	I.D. 10	7.0	I.D. 8	5.6	62.0	31.0
111036	35.527	I.D. 12	8.6	I.D. 6	4.0	69.0	29.0
111037	35.528	I.D. 12	8.6	I.D. 8	5.6	69.0	31.0
111038	35.529	I.D. 12	8.6	I.D. 10	7.0	69.0	33.0
111039	35.530	I.D. 18	14.0	I.D. 10	7.0	79.0	36.0
111040	35.531	I.D. 18	14.0	I.D. 15	11.0	80.0	44.0

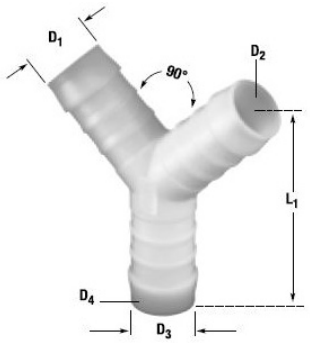
Tube connectors

Acetal copolymer (POM)
Art. No. 110988 to 111055

36.613

Y-hose connector, 90° angle, POM

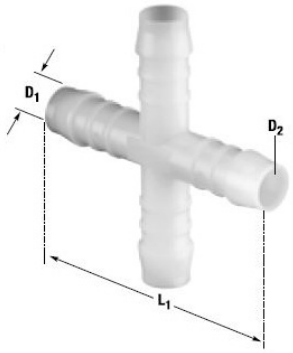
Art. No.	Type No.	For hose D_1 mm	Nozzle D_2 mm	L_1 mm
111041	36.610	I.D. 3	I.D. 2,5	21.0
111042	36.611	I.D. 4	I.D. 2,5	25.5
111043	36.611/5	I.D. 5	I.D. 3,0	43.0
111044	36.612	I.D. 6	I.D. 4,0	44.0
111045	36.613	I.D. 8	I.D. 5,6	51.0
111046	36.614	I.D. 10	I.D. 7,0	54.0
111047	36.615	I.D. 12	I.D. 8,6	64.0
111048	36.616	I.D. 13	I.D. 9,0	65.0
111049	36.617	I.D. 16	I.D. 12,0	67.0
111050	36.618	I.D. 19	I.D. 15,0	72.0



36.713

Reducing Y push-on connector, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	For hose D_3 mm	I.D. D_4 mm	L_1 mm
111051	36.711	I.D. 4	2.7	I.D. 6	4.0	35.0
111052	36.713	I.D. 6	4.0	I.D. 8	5.6	49.0



37.112

Cross push-on connector, POM

Art. No.	Type No.	For hose D_1 mm	I.D. D_2 mm	L_1 mm
111053	37.111	I.D. 4	2.9	39.0
111054	37.112	I.D. 6	4.0	48.0
111055	37.115	I.D. 12	8.6	69.0

Tube connectors

Acetal copolymer (POM)
Art. No. 110988 to 111055

RIEGLER

Chemical properties of the plastics used

No.	Chemical substance	Concentration	Temperature	POM	PA 6
1	Acetone	100%	20 °C / 50 °C	1/3	1/0
2	Formic acid	98-100%	20 °C / 50 °C	4/4	4/4
3	Ammonium hydroxide (spirits of ammonia)	Any	20 °C / 50 °C	1/2	1/0
4	Benzine; normal and super unleaded	Commercial	20 °C / 50 °C	1/1	1/1
5	Benzene, benzene hydrocarbons	100%	20 °C / 50 °C	3/3	1/0
6	Bleaching lye (12.5% active chlorine)	Aqueous solution 12.5%	20 °C / 50 °C	4/4	4/4
7	Brake fluid (DOT4)	Commercial	20 °C / 50 °C	1/1	1/1
8	Butanol	Technically pure	20 °C / 50 °C	1/2	1/2
9	Chlorine, chlorine water	Commercial	20 °C / 50 °C	4/4	4/4
10	Disinfectant phenols	Diluted solution	20 °C / 50 °C	4/4	4/4
11	Diesel fuel, diesel oil	Commercial	20 °C / 50 °C	1/1	1/1
12	Decalcifier	Aqueous solution~10%	20 °C / 50 °C	4/4	4/4
13	Photographic developer (1:100)	Commercial	20 °C / 50 °C	1/1	1/1
14	Natural gas (town gas, coal gas)	Commercial	20 °C / 50 °C	1/1	1/1
15	Crude oil	Commercial	20 °C / 50 °C	1/1	1/1
16	Acetic acid (glacial acetic acid)	90 %	20 °C / 50 °C	4/4	4/4
17	Ethyl alcohol	96 % (tech. pure)	20 °C / 50 °C	1/2	1/2
18	Photographic emulsion	Commercial	20 °C / 50 °C	1/0	1/0
19	Fruit juices	Commercial	20 °C / 50 °C	1/1	1/1
20	Glycerine	Technically pure	20 °C / 50 °C	1/1	1/1
21	Glysantin	Commercial	20 °C / 50 °C	1/1	1/1
22	Heating oil	Commercial	20 °C / 50 °C	1/1	1/1
23	Hydraulic fluid	Commercial	20 °C / 50 °C	1/0	1/0
24	Carbon dioxide, carbonic acid	Technically pure, saturated	20 °C / 50 °C	1/1	1/0
25	Coolants (based on glycol)	Commercial	20 °C / 50 °C	1/1	3/3
26	Methane	Technically pure	20 °C / 50 °C	1/1	1/1
27	Methanol	Technically pure	20 °C / 50 °C	1/1	1/1
28	Methyl ethyl ketone	100%	20 °C / 50 °C	3/3	1/0
29	Engine oils (HD)	Commercial	20 °C / 50 °C	1/1	1/1
30	Sodium hydroxide (lye; caustic soda)	40%	20 °C / 50 °C	1/1	1/1
31	Ozone	Gaseous	20 °C / 50 °C	4/4	3/4
32	Propanol	Technically pure	20 °C / 50 °C	1/1	1/1
33	Propane (liquefied gas)	Liquid	20 °C / 50 °C	1/1	1/0
34	Propene	96 %	20 °C / 50 °C	1/0	1/0
35	Rape oil (rape oil methyl ester)	Commercial	20 °C / 50 °C	1/1	1/1
36	Hydrochloric acid	Aqueous, 10%	20 °C / 50 °C	4/4	4/4
37	Lubricating oil/grease, soft soap	Commercial	20 °C / 50 °C	1/1	1/1
38	Sulphuric acid	Aqueous, 10%	20 °C / 50 °C	4/4	3/3
39	De-icing salt solution (brine)	Saturated	20 °C / 50 °C	1/2	1/1
40	Soap suds (dissolved detergent)	Diluted solution	20 °C / 50 °C	1/1	1/1
41	Water (drinking, river, sea)	Technically pure	20 °C / 50 °C	1/1	1/1
42	Citric acid	10 %	20 °C / 50 °C	2/4	1/0

0 = No data available/Not possible to make an appropriate statement
1 = Highly stable/suitable (change in dimensions: none or negligible and reversible; no damage even after extended period)
2 = Very stable/suitable (change in dimensions after short period: none or negligible and reversible; little change in dimensions, possibly irreversible change to properties after extended period)
3 = Limited stability (considerable changes to dimensions, possibly irreversible change to properties after extended period)
4 = Unstable/unsuitable (soluble or serious effects after a short period)

* The specifications in this data sheet are based on tests carried out by the granular material manufacturer. They are intended to serve as guidelines for our customers, but cannot simply be applied to any case in which customers expose these products to demands which fall outside the scope of the tests performed. On no account should this be done without first consulting us.
Uur customers must perform their own tests to determine whether our plastic hose connecting components are suitable for the application they are intended to be used in. We will be happy to offer any advice or information required.