

iQ parts
IQ-PARTS-SHOP.COM



**SPECS &
INFORMATION**

Recommended Tightening Torque

Thread Size	Nylon 66		PP		PVDF	
	Nm	ft lb	Nm	ft lb	Nm	ft lb
1/8"	0.1	0.07	0.01	0.01	0.1	0.07
1/4"	0.8	0.6	0.3	0.2	1	0.8
3/8"	4	3	1	1	5	3
1/2"	6	4	2	2	8	6
3/4"	8	6	5	4	16	12
1"	10	7	8	6	26	19

Fittings Tolerances (According to ISO 2768-c)

Size mm	Tolerance
1-6	±0.3
6-30	±0.5
30-120	±0.8

Chemical Resistance

	Water		Acids		Detergents	
	Cold	Hot	Weak	Strong	Weak	Strong
LDPE	3	1	3	2	3	3
HDPE	3	3	3	3	3	3
Nylon 6-6	3	2	1	1	3	2
Polypropylene	3	3	3	2	3	3
Acetal	3	3	2	1	3	3
PVDF	3	3	3	3	3	3

1 - Bad 2 - Medium 3 - Good

Note:

Notice tube dimension differ between industries.

Fittings' dimensions refer to tube ID or OD, with respect to the common application.

Use thread seal tape

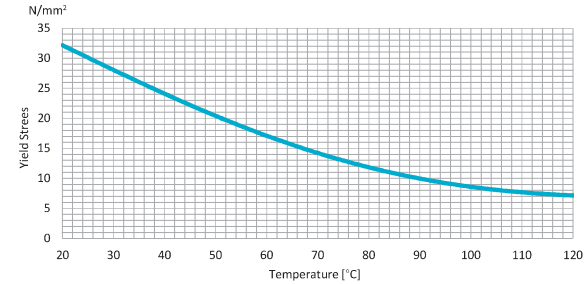


Minimum straight tube segment

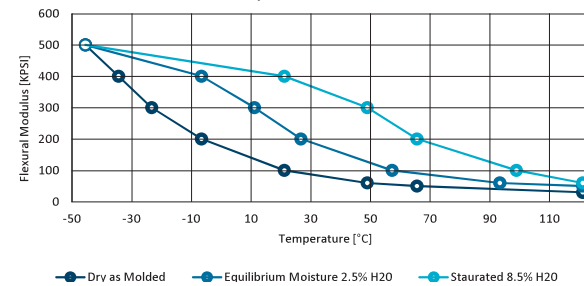


PROPERTIES

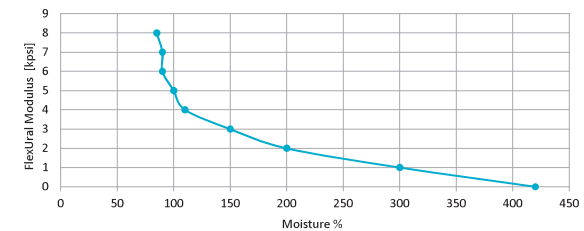
Yield stress of PP as a function of temperature



Flexural modulus VS. temperature



Flexural modulus VS. moisture content at 73 °F



Fittings - Barb Block

Reinforced Polypropylene

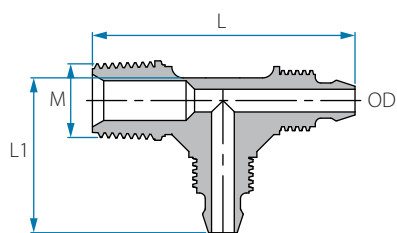


Working pressure
Up to 14 BAR
(200 psi) at 20 °C



Temperature
4 °C - 90 °C
(subject to application)

Fittings' dimensions refer to tube ID or OD, with respect to the common application.



BSPT Male Run T

Cat. No.	Tube OD mm	M (BSPT)	L mm	L1 mm	Color
22047246028	6	1/8"	41.9	275	Blue
22047246048	6	1/4"	46.2	275	Blue
22047248028	8	1/8"	41.9	275	Blue
22047248048	8	1/4"	46.2	275	Blue
22047248068	8	3/8"	58.8	43.2	Blue
22047252048	12	1/4"	57.7	40.3	Blue
22047252068	12	3/8"	59.0	40.5	Blue
22047252088	12	1/2"	62.7	40.4	Blue

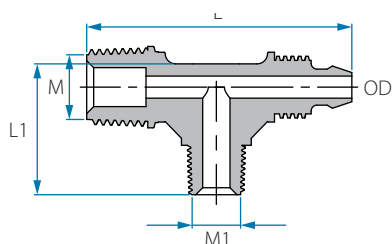
Cat. No.	Tube OD inch	M (BSPT)	L mm	L1 mm	Color
22047204028	1/4"	1/8"	41.9	275	Navy Blue
22047204048	1/4"	1/4"	46.2	275	Navy Blue
22047205028	5/16"	1/8"	41.9	275	Navy Blue
22047205048	5/16"	1/4"	46.2	275	Navy Blue
22047205068	5/16"	3/8"	58.8	43.2	Navy Blue
22047208048	1/2"	1/4"	57.7	40.3	Navy Blue
22047208068	1/2"	3/8"	59.0	40.5	Navy Blue
22047208088	1/2"	1/2"	62.7	40.4	Navy Blue
22047204041	1/4"	1/4"	46.2	275	White

Note: Packing 25 unit

NPT Male Run T

Cat. No.	Tube OD inch	M (NPT)	L mm	L1 mm	Color
22247204023	1/4"	1/8"	43.4	274	Grey
22247204043	1/4"	1/4"	48.2	274	Grey
22247205023	5/16"	1/8"	43.5	274	Grey
22247205043	5/16"	1/4"	48.3	274	Grey
22247205063	5/16"	3/8"	56.1	40.2	Grey

Note: Packing 25 unit



BSPT Male T - 2 threads

Cat. No.	Tube OD mm	M inch	M1 inch	L mm	L1 mm	Color
22047802048	8	1/4"	1/8"	46.2	22.6	Blue

Note: Packing 25 unit



info@iq-parts.nl
Harsweg 34A
2461 EZ Ter Aar
T +31 252 624 126
The Netherlands