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**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

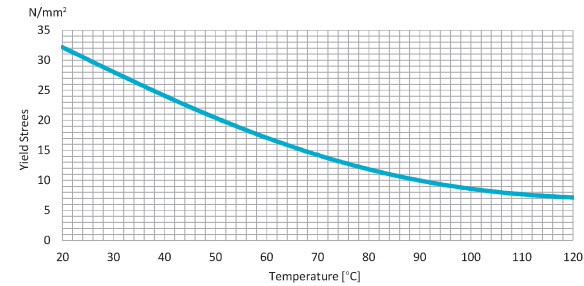


Minimum straight tube segment

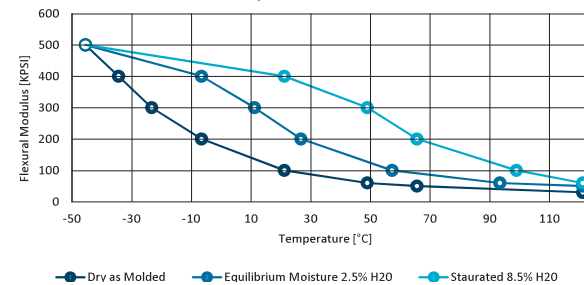


### PROPERTIES

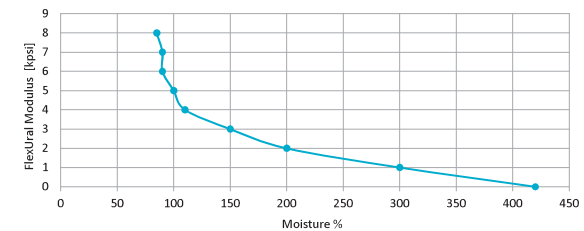
#### Yield stress of PP as a function of temperature



#### Flexural modulus VS. temperature



#### Flexural modulus VS. moisture content at 73 °F



## Fittings - Barb Block

Reinforced Polypropylene

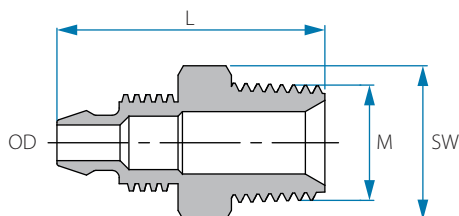


**Working pressure**  
Up to 14 BAR  
(200 psi) at 20 °C



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

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



### BSPT Male Connector

Cat. No.	Tube OD mm	M (BSPT)	L mm	SW	Color
22046846028	6	1/8"	27.5	13	● Blue
22046846048	6	1/4"	29.7	14	
22046846068	6	3/8"	32.5	17	
22046846088	6	1/2"	35.5	22	
22046846128	6	3/4"	36.6	27	
22046848028	8	1/8"	27.6	13	
22046848048	8	1/4"	29.5	14	
22046848068	8	3/8"	31.4	17	
22046848088	8	1/2"	36.1	22	
22046848128	8	3/4"	36.6	27	
22046850048	10	1/4"	35.8	17	
22046850068	10	3/8"	35.8	17	
22046850088	10	1/2"	38.9	22	
22046850128	10	3/4"	39.7	27	
22046852048	12	1/4"	37.3	14	
22046852068	12	3/8"	37.3	17	
22046852088	12	1/2"	40.1	22	
22046852128	12	3/4"	40.1	27	
<b>22046848022</b>	<b>8</b>	<b>1/8"</b>	<b>27.6</b>	<b>13</b>	● Black
<b>22046852082</b>	<b>12</b>	<b>1/2"</b>	<b>40.1</b>	<b>22</b>	
22046846042	6	1/4"	29.7	14	
22046848042	8	1/4"	29.5	14	
22046848062	8	3/8"	31.4	17	
22046852042	12	1/4"	37.3	14	
22046852062	12	3/8"	37.3	17	

Cat. No.	Tube OD inch	M (BSPT)	L mm	SW	Color
22046804028	1/4"	1/8"	27.5	13	● Navy Blue
22046804048	1/4"	1/4"	29.7	15	
22046804068	1/4"	3/8"	32.5	17	
22046804088	1/4"	1/2"	35.5	22	
22046804128	1/4"	3/4"	36.6	27	
22046805028	5/16"	1/8"	27.6	13	
22046805048	5/16"	1/4"	29.5	14	
22046805068	5/16"	3/8"	31.4	17	
22046806048	3/8"	1/4"	35.8	17	
22046806068	3/8"	3/8"	35.8	17	
22046806088	3/8"	1/2"	38.9	22	
22046806128	3/8"	3/4"	39.7	27	
22046808048	1/2"	1/4"	37.3	17	
22046808068	1/2"	3/8"	37.3	17	
22046808088	1/2"	1/2"	40.1	22	
22046808128	1/2"	3/4"	40.1	27	
22046804041	1/4"	1/4"	29.7	15	○ White
22046804081	1/4"	1/2"	35.5	22	
22046804121	1/4"	3/4"	36.6	27	

Note: Packing 25 unit



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