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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

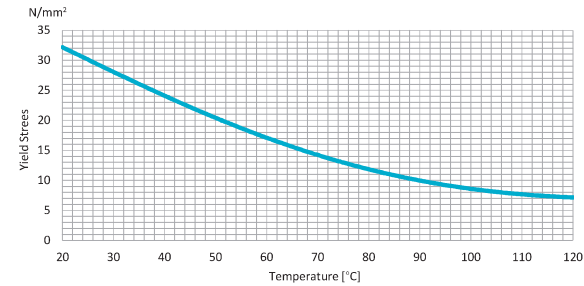


Minimum straight tube segment

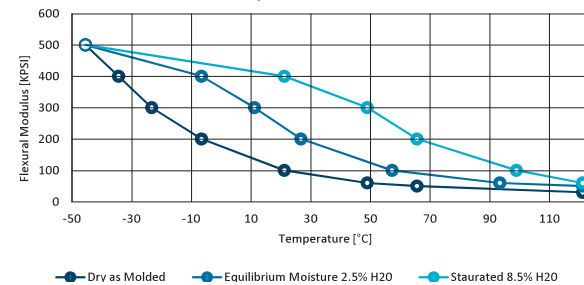


### PROPERTIES

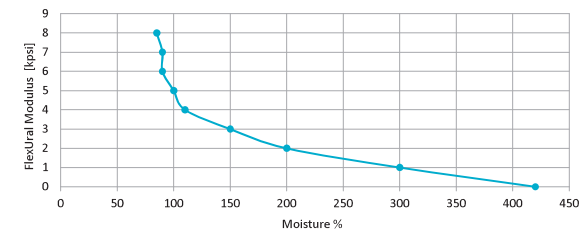
#### Yield stress of PP as a function of temperature



#### Flexural modulus VS. temperature



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



# Fittings - Threaded Connectors

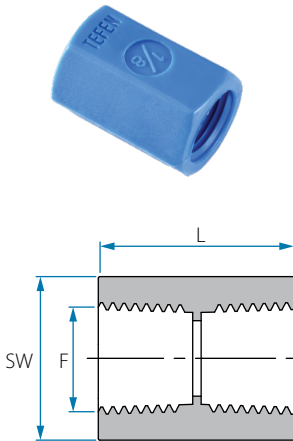
Nylon 6-6



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



**Temperature**  
-20 °C - 110 °C  
(subject to application)



## BSPT Female Pipe Coupling

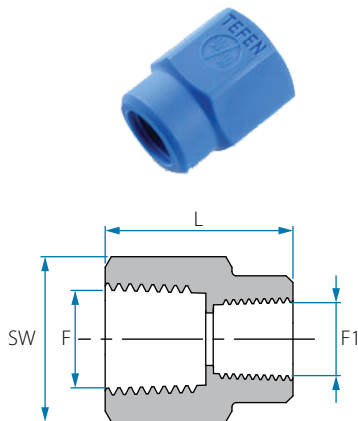
| Cat. No.    | F (BSPT) | L mm | SW | Color   |
|-------------|----------|------|----|---------|
| 12010302021 | 1/8"     | 20.0 | 14 | ○ White |
| 12010304042 | 1/4"     | 23.6 | 17 | ● Black |
| 12010312122 | 3/4"     | 38.0 | 34 | ● Blue  |
| 12010302028 | 1/8"     | 20.0 | 14 |         |
| 12010304048 | 1/4"     | 23.6 | 17 |         |
| 12010306068 | 3/8"     | 24.5 | 21 |         |
| 12010308088 | 1/2"     | 29.7 | 26 |         |
| 12010312128 | 3/4"     | 38.0 | 34 |         |

Note: Packing 25 unit

## NPT Female Pipe Coupling

| Cat. No.    | F (NPT) | L mm | SW | Color  |
|-------------|---------|------|----|--------|
| 12020302023 | 1/8"    | 19.7 | 14 | ● Grey |
| 12020304043 | 1/4"    | 23.5 | 17 |        |
| 12020306063 | 3/8"    | 24.6 | 22 |        |
| 12020308083 | 1/2"    | 29.5 | 27 |        |

Note: Packing 25 unit



## BSPT Pipe Reducing Coupling

| Cat. No.    | F (BSPT) | F1 (BSPT) | L mm | SW | Color  |
|-------------|----------|-----------|------|----|--------|
| 12011904028 | 1/4"     | 1/8"      | 22.0 | 17 | ● Blue |
| 12011906028 | 3/8"     | 1/8"      | 24.5 | 21 |        |
| 12011906048 | 3/8"     | 1/4"      | 24.5 | 21 |        |
| 12011908048 | 1/2"     | 1/4"      | 27.0 | 26 |        |
| 12011908068 | 1/2"     | 3/8"      | 27.0 | 26 |        |
| 12011912048 | 3/4"     | 1/4"      | 30.1 | 34 |        |
| 12011912088 | 3/4"     | 1/2"      | 35.0 | 34 |        |

Note: Packing 25 unit

## NPT Pipe Reducing Coupling

| Cat. No.    | F (NPT) | F1 (NPT) | L mm | SW | Color  |
|-------------|---------|----------|------|----|--------|
| 12021904023 | 1/4"    | 1/8"     | 22.0 | 17 | ● Grey |
| 12021906023 | 3/8"    | 1/8"     | 24.4 | 22 |        |
| 12021906043 | 3/8"    | 1/4"     | 24.8 | 22 |        |
| 12021908043 | 1/2"    | 1/4"     | 27.0 | 26 |        |
| 12021908063 | 1/2"    | 3/8"     | 26.8 | 26 |        |

Note: Packing 25 unit





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