



**Soft, Clear,  
Pressure and  
Chemical  
Resistant**

#### **HIGH-PRESSURE CHEMICAL TRANSFER APPLICATION**

##### **Chemical Resistant to minimize Fluid Alteration and Loss**

In the world of chemical Transfer, chemical Compatibility and Flexibility are the two most important performances criteria to ensure optimization of the performance.

Tygon® 2375 IB Tubing which is unaffected by most chemical sanitizers and cleaners, is specially engineered to deliver just that outstanding performance in an environment where harsh chemicals are used. Because of its robust polyester braid reinforcement construction, Tygon® 2375 IB holds a full vacuum rating, ideal for suction/delivery side of any chemical transfer.

##### **Flexibility without the use of Plasticizers**

Until now, clear and flexible tubing was restricted from use in many applications due to the concern of plasticizer extraction. Tygon® 2375 IB is not manufactured with any plasticizers. This unique Tubing uses the latest in polymer technology to provide a clear (between braid) and flexible tubing choice for sensitive fluid transfer applications.

##### **Regulatory Compliance**

- REACH
- RoHS



##### **Features and Benefits**

- Outstanding Chemical Resistance
- Non-DeHP
- Plasticizer-Free – extends Tubing Life and reduces maintenance costs over plasticized products
- Safer disposal – releases no harmful and corrosive hydrogen chloride gas
- Smooth Inner Surface - provides better flow and inhibits particulate buildup
- Braid reinforcement for elevated working pressures
- Clear Tubing for better observation

##### **Typical Applications**

- Detergent transfer for laundry
- Dishwashing and Warewashing cleaning chemical transfer lines
- Car washing equipment chemical transfer lines
- Harsh chemical transfer
- Solvent transfer

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## Tygon® 2375 IB Tubing Standard Sizes

Part Number	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure* 22°C (73°F)	Vacuum Rating at 22°C (73°F)
TY6,0UR12,0	6,0 mm	12,0 mm	3,0 mm	25,4 mm	15,5 bar	760 mmHg
TY10,0UR16,0	10,0 mm	16,0 mm	3,0 mm	50,8 mm	11,7 bar	760 mmHg
TY12,0UR18,0	12,0 mm	18,0 mm	3,0 mm	95,3 mm	13,1 bar	760 mmHg
TY16,0UR22,0	16,0 mm	22,0 mm	3,0 mm	101,6 mm	11,3 bar	760 mmHg

\*Working pressures are calculated at a 1:4 ratio relative to burst pressure using ASTM D1599

## Typical Physical Properties of Tygon® 2375 IB

Property	ASTM Method	Value of Rating
Durometer Hardness	D2240	77° Shore A, 15s
Color	-	clear
Tear Resistance	D1004	42 kN/m
Specific Gravity	D792	0.88
Water Absorbtion 23°C for 24 hours	D570	0,04%
Compression Set Constant Deflection 70° C for 22 hours	D395 Method B	100,00%
Max. Recommended Operating Temp.	-	54° C
Low Temp Flexibility	D380	-75° C

Unless otherwise noted, all tests were conducted at room temperature 73°F (23°C). Values shown were determined on 0.075" (1.905 mm) thick extruded strip or 0.075" (1.905 mm) thick molded ASTM plaques or molded ASTM durometer buttons.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.