

## Saint-Gobain Tygon® Transflow S3 Vacuum Phthalate-free Vacuum and Dairy Tubing, A-24 and A24-C

Category : Polymer , Thermoplastic

### Material Notes:

Transflow S3 Vacuum tubing, from Saint-Gobain Performance Plastics, is now phthalate-free. Saint-Gobain is proud to be among the first companies to offer sustainable flexible tubing products. The bio-based Transflow S3 line combines the high performance standards customers demand with an eco-friendly tubing design. Transflow S3 Vacuum tubing is ideally suited for supply air transport. The smooth inner surface is less susceptible to particle entrapment, which can restrict air flow, while crystal clarity permits detection of equipment deficiencies such as backflow of milk into the air lines. Transflow S3 Vacuum tubing is designed to work in tandem with Transflow S3 M-34-R to provide a vacuum tube and easy fluid flow within the milking process. Every foot of Transflow S3 Vacuum tubing has been embedded with a trademark blue stripe within the tubing walls. The embedded blue stripe is your assurance of receiving genuine Transflow S3 tubing, the world's finest raw milk tubing produced specifically for the dairy industry. Applications for this product are raw milk transport lines and dairy processing. Features and Benefits Holds full vacuum at room temperature Will not crack and age like rubber tubing Lightweight and flexible for quick installation Non-wetting properties allow easy cleaning and complete drainage Durability for long and reliable service Contains no BPA or phthalates To be used in conjunction with Transflow S3 M-34-R tubing Regulatory Information: Transflow S3 complies with FDA, NSF, 3-A, and Japan Food Sanitation Law # 370/1959 for many foods and beverages. Tygon S3 tubing products do not contain chemicals listed in California's Prop 65. \*For complete compliance information and appropriate use instructions, please refer to the detailed document of compliance. The complete compliance information and use instructions can be found at www.TygonS3.com. Unless otherwise noted, all tests were conducted at room temperature. Values shown were determined on 1.9 mm thick extruded strip or 1.9 mm thick molded ASTM placques or molded ASTM durometer buttons. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-Tygon-Transflow-S3-Vacuum-Phthalate-free-Vacuum-and-Dairy-Tubing-A-24-and-A24-C.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-Transflow-S3-Vacuum-Phthalate-free-Vacuum-and-Dairy-Tubing-A-24-and-A24-C.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Water Absorption	0.21 % @Temperature 22.8 °C, Time 86400 sec	0.21 % @Temperature 73.0 °F, Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56 @Time 15.0 sec	56 @Time 0.00417 hour	ASTM D2240
Tensile Strength	12.1 MPa	1750 psi	ASTM D412
Tensile Strength, Yield	4.01 MPa @Strain 100 %	582 psi @Strain 100 %	

Mechanical Properties	Metric	English	Comments
Tear Strength	30.3 kN/m	173 pli	ASTM D1004
Compression Set	64 % @Temperature 70.0 Â°C, Time 79200 sec	64 % @Temperature 158 Â°F, Time 22.0 hour	ASTM D395 Method B
Tensile Set	95 %	95 %	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 Â°C	165 Â°F	
Brittleness Temperature	-35.6 Â°C	-32.0 Â°F	ASTM D746

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Clear, but value not quantified

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	
NSF	Yes	Yes	

Descriptive Properties	Value	Comments
Color	Black	
	Clear	

## Contact Songhan Plastic Technology Co.,Ltd.

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