

Saint-Gobain Tygon® Transflow S3â„¸ M-34-R Raw Milk Dairy Tubing Formulation

Category : Polymer , Thermoplastic

Material Notes:

Transflow S3â„¸ M-34-R 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 S3â„¸ line combines the high performance standards customers demand with an eco-friendly tubing design. Transflow S3â„¸ Raw Milk tubing is specially formulated to reduce the risks that can occur with the use of rubber tubings. Many regulatory sanitarians throughout the world recognize Transflow S3â„¸ as the preferred tubing for raw milk transfer. Long lasting Transflow S3â„¸ tubing is extremely flexible and installs quickly and easily around stantions and milk handling equipment. It resists embrittlement and cracking from oxidation that often shortens the service life of other tubings. The same reliability and performance found in Transflow S3â„¸ Raw Milk tubing is also available for tank truck operators. Produced in large bore sizes up to 3" I.D., Transflow® tubings' clarity, flexibility and cleanability are ideally suited for bulk milk transfer. Transflow S3â„¸ is also produced in single and twin tube configurations ideally suited for supply air transport. It's 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. Every foot of Transflow S3â„¸ Raw Milk tubing has been embedded with a trademark blue stripe within the tubing walls. The embedded blue stripe is your assurance of receiving genuine Transflow® tubing, the worlds' finest raw milk tubing produced specifically for the dairy industry. Features and Benefits Crystal clarity permits visual inspection of milk flow Smooth, non-porous bore resists buildup 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 Regulatory Standards Transflow S3â„¸ complies with FDA, NSF, #-A, Japan Food Sanitation Law # 370/1959, REACH, 1935/2004/EC and 10/2011/EU for many foods and beverages. Transflow S3â„¸ tubing products do not contain chemicals listed in California's Prop 65. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-Transflow-S3-M-34-R-Raw-Milk-Dairy-Tubing-Formulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Water Absorption	0.22 % @Temperature 22.8 Â°C, Time 86400 sec	0.22 % @Temperature 73.0 Â°F, Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66 @Time 15.0 sec	66 @Time 0.00417 hour	ASTM D2240
Tensile Strength	15.2 MPa	2200 psi	ASTM D412
Tensile Strength, Yield	9.501 MPa @Strain 200 %	1378 psi @Strain 200 %	

Elongation at Break Mechanical Properties	390 % Metric	390 % English	ASTM D412 Comments
Tear Strength	43.8 kN/m	250 pli	ASTM D1004
Compression Set	59 % @Temperature 70.0 Â°C, Time 79200 sec	59 % @Temperature 158 Â°F, Time 22.0 hour	ASTM D395 Method B
Tensile Set	57 %	57 %	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 Â°C	165 Â°F	
Brittleness Temperature	-36.1 Â°C	-33.0 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	Clear	

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