

TYVEK® TUBING

Description:

GEPCO's Tyvek® Tubing is made from DuPont Tyvek®. Designed to be autoclaved, this tubing is lint-free, moisture resistant, puncture resistant and extremely tough. While being breathable, Tyvek® Tubing provides an excellent bacterial barrier for superior performance. The ends of each tube can be heat sealed, using a conventional end sealer, or taped closed. GEPCO's Tyvek® Tubing is manufactured in a Class 100 clean room. When opened, virtually no airborne particulate is generated.

Specifications: (Order No. 60002TW, 60003TW, 60004TW, 60005TW, 60006TW, 60008TW, 60100TW, 60120TW, 60150TW, 60200TW, 60240TW, 60280TW, 60300TW, 60400TW)

PHYSICAL PROPERTIES		
Material – TYVEK® (Spunbonded Olefin) Type 1422A		
Basis Weight	1.2	oz. / sq. yd
Thickness	5.3	mils
Particulate Burden	< 5	Particles (50 um or greater) per 10 cm ²
STRENGTH PROPERTIES – (MD signifies machine direction; CD signifies cross direction.)		
Strip Tensile (MD CD)	7.9 7.6	lbs. / in.
Work to Break (MD CD)	2.4 2.1	in.- lbs.
Tongue Tear (MD CD)	2.2 2.4	lbs.
Mullen Burst	60	lbs. / sq. in.
Seal Strength	> 4.5	lbs. / in.
THERMAL PROPERTIES		
Stability – Will remain stable through steam cycles at a maximum temperature of 260°F or 127°C.		
BARRIER PROPERTIES		
Water Vapor Transmission*	580	gsm / 24 hrs
Steam Penetration – Immediate and even penetration.		
Microbial transfer – High inherent resistance to bacteria. Superior performance when subjected to liquid bacteria challenge. No bacterial penetration after 8 hours.		

*Indicates the material's ability to dissipate moisture. Temperature and pressure will increase Water Vapor Transmission rate.

NOTE: Steam Penetration, Water Vapor Transmission, Steam Pressure and Microbial Transfer must be validated for individual Users' processes.

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