

MERCO TAPE – TECHNICAL DATA SHEET

Merco Threadmaster® Threadseal Tapes

Standard M55, High M66, Full M77/M78/M78ni



Merco Threadmaster® Threadseal Tape: *the* industry standard for 50 years.

We offer our US-Made **Threadmaster® PTFE Threadseal Tape** in three densities, four widths, three lengths and five colors. No one offers a wider selection of quality, US-made PTFE thread seal tape than Merco Tape.

Merco Threadmaster® Threadseal Tape permits quick, clean and economical sealing of male pipe threads of all sizes and reduces the risk of system contamination common with liquid and paste sealants. The self-lubricating quality of our unsintered PTFE (polytetrafluoroethylene*) tape makes joints easy to assemble and disassemble and extends the life of the sealed connections.

*PTFE is the chemical name for Polytetrafluoroethylene. Teflon® is a registered trademark of DuPont de Nemours and is the trade name for Polytetrafluoroethylene. However, DuPont insists there is no such thing as Teflon® Tape.

Threadmaster® M55 Standard Density is intended for those applications that require the sealing properties of a quality thread seal tape. It's ideal for general purpose thread sealing: plumbing and general industrial applications involving water, oils, petroleum, natural gas, butane, propane and more.

Threadmaster® M66 High Density is for more demanding applications including those in laboratories, high-end and close tolerance manufacturing. It is ideal for threads that require ease of closure and may be subject to repeated opening and reclosing.

Threadmaster® M77 Full Density is our ultimate, sleep-at-night thread seal for applications where you simply do not get a second chance. Our ***Threadmaster® M77 Full Density tape meets the true, tougher new mil spec MIL-A-A 58092.*** Not many tapes can say that. And not many companies can say their product is sealing threads in submarines, jet propulsion systems, nuclear plants and places you just do not get a second chance.

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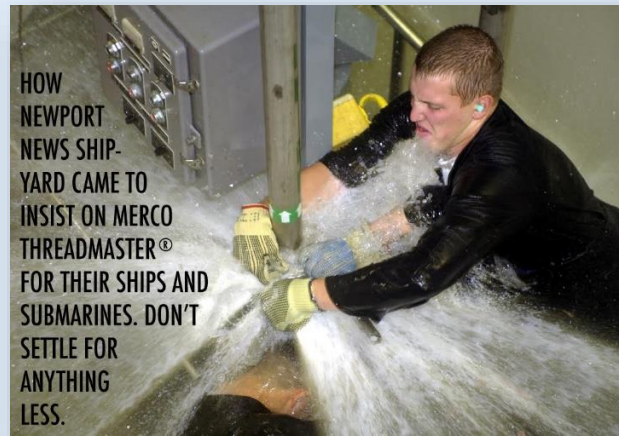
Threadmaster® M77ni Full Density is a nickel impregnated threadseal intended for use with chrome and stainless fittings. The nickel prevents galling, a form of wear caused by adhesion between sliding surfaces. Galling is almost inevitable on stainless to stainless contact and regular threadseal will not prevent this like nickel impregnated M77ni.

All **Merco Threadmaster® Threadseal Tape** is totally **maintenance free**. It is **virtually chemically inert, non-toxic, insoluble, non-biodegradable, non-flammable** and the **white is 100% pure PTFE** (Colorings in *any and every* roll of colored or nickel tape are non-PTFE additives making them impossible to be 100% pure.) All will handle **temperatures from -450°F to 550°F (-232°C to 265°C)**. Pressure is **UL rated from a hard vacuum to 100psi** (but can handle **to 10,000 psi** depending on the quality of your fittings*) All are **UL listed**. Each proudly displays a full color made in USA flag and directions for use. Shelf life is indefinite.

Available from stock: ¼", ½", ¾" and 1". 260in, 520in and 1296in. White, Yellow, Pink, Green and Gray

	M55 White	M66 High Density	M77 Full Density	M77ni Nickel	ASTM Method
Thickness	3.0-3.5 mil	3.0-3.5 mil	3.2-3.8 mil	3.7-4.3 mil	D-374
Specific Gravity	.9 g/cm ³	1.0 g/cm ³	1.2-1.55 g/cm ³	1.2-1.55 g/cm ³	D-792
Longitudinal Tensile	100 psi*	100 psi*	100 psi*	100 psi*	D-882
Width Tensile	100 psi	100 psi	100 psi	100 psi	D-882
Elongation	75%	75%	75%	75%	D-882

*Per **UL listing requirements** all PTFE products must certify only to 100psi. Our 100% pure (i.e. non-colored and non-nickel) PTFE tapes are frequently used in systems where pressures exceed 10,000 psi. While we cannot certify to this because we do not control the quality of the other components nor their installation as a rule our tapes, when properly used, will meet or exceed the minimum pressure ratings of the components they are used with.



HOW
NEWPORT
NEWS SHIP-
YARD CAME TO
INSIST ON MERCO
THREADMASTER®
FOR THEIR SHIPS AND
SUBMARINES. DON'T
SETTLE FOR
ANYTHING
LESS.