

Question: From what compound is the standard MJ gasket made and what is the highest water temperature it will allow? Are the TYTON® gaskets made from the same compound?

Answer: The standard MJ gasket is made of vulcanized styrene butadiene rubber (SBR) in accordance with ANSI/AWWA C111/A21.11. The recommended temperature range for SBR gaskets is from 20°F to 180°F. SBR gaskets are suitable for water and wastewater, most moderate chemicals, wet or dry organic acids, alcohols, ketones and aldehydes. The gaskets furnished for the push on fittings are made from the same elastomer. **SBR GASKETS ARE NOT RECOMMENDED FOR HYDROCARBON SERVICE.**

Question: Does Tyler offer any other gaskets that will withstand temperatures greater than 180°F or special service applications?

Answer: Yes! Tyler offers three other special services gaskets for MJ connections only. Identification, temperature range and applications are listed below:

EPDM (Ethylene Propylene) -10°F to 250°F Ideal for water and wastewater, ozone and strong oxidizing chemicals. May be used on steam within given temperature range and on hot air without hydrocarbons.
NOT RECOMMENDED FOR HYDROCARBON SERVICE.

NEOPRENE (CR) -10°F to 225°F Recommended for moderate chemicals and acids, oil fats, many solvents and air with hydrocarbons. Will not support combustion.

Nitrile (NBR) (Buna - N) (Hycar) -40°F to 250°F Ideally suited for gasoline, petroleum products, hydrocarbons, water and mineral and vegetable oils.

Question: According to AWWA, how much torque should be applied to Mechanical Joint T-Bolts?

Answer: The recommended torque range, as stated in ANSI/AWWA C600 are:

Joint Size		Range of Torque	
in.	(mm)	ft/lb	N/m
3	(76)	45-60	(61-81)
4-24	(102-610)	75-90	(102-122)
30-36	(762-914)	100-120	(136-163)
42-48	(1067-1219)	120-150	(163-203)

Question: What type of Mechanical Joint T-Bolt does Tyler furnish?

Answer: Tyler supplies High-strength, Low-Alloy Steel T-Bolts, in compliance with ANSI/AWWA C111/A21.11, as part of all standard C153 (compact) and C110 (Full Body) accessory packs. Anti-Rotation T-Bolts, Cor-Blue T-Bolts and stainless steel (ANSI 316) T-Bolts are also available for special applications on request.

Question: Of what material are the Standard T-Bolts, Anti-Rotation and Cor-Blue T-Bolts made?

Answer: The Standard T-Bolts and Anti-Rotation T-Bolts and Nuts are manufactured from Corrosion Resistant, High-Strength, Low-Alloy Steel in accordance with ANSI/AWWA C111/A21.11 (Current Revision). Cor-Blue T-Bolts and Nuts are manufactured from the same high quality material as the standard T-Bolts/Nuts but also have a ceramic-filled, baked on fluorocarbon resin developed to handle the needs of highly corrosive conditions. Cor-Blue T-Bolts and Nuts are also in compliance with ANSI/AWWA C111/A21.11 (Current Revision).

Question: How is the torque range for Flanged fittings gaskets determined?

Answer: The range of torque settings for Flanged fittings is not addressed in the ANSI/AWWA C600 Standard. Generally, this torque range is determined by the flanged gasket manufacturer because of various durometers and thicknesses of different gaskets.

Question: What purpose does cement mortar lining serve?

Answer: Cement mortar lining serves to prevent tuberculation while improving flow characteristics.

Question: What is the function of the seal coating?

Answer: In soft water systems, the seal coating serves to prevent the water from becoming hard. The seal coating also helps in the curing process of the cement lining by minimizing the loss of moisture during hydration, which results in controlled curing of the mortar. Tyler Pipe applies a seal coat that is NSF 61 approved for potable water systems on the entire casting. The exterior is seal coated also for aesthetic and corrosion retarding purposes.

Question: Are the fittings furnished by Tyler Pipe UL/FM approved?

Answer: The Tyler Ductile-Iron Watermain Fittings ANSI/AWWA C110/A21.10 for MJ and Flange and ANSI/AWWA C153/A21.53 for MJ and Union-Tite in sizes 3" through 12" are UL listed for Fire Main Equipment. (Listing #EX2111).

Question: Does Tyler offer fittings with any coatings other than an asphaltic seal coat?

Answer: Yes. For Flanged Full Body and Compact Fittings (C110), Tyler offers an exterior prime coat of Tnemec N140-1211 Pota-Pox Plus that is NSF 61 approved for potable water systems in conjunction with the cement mortar/seal coated lining. Tyler also offers double cement lining with the entire casting seal coated for MJ Full Body (C110) and MJ Compact (C153) fittings. Totally bare castings (for consumer's special coating requirements) are also available in Full Body MJ and Flange fittings as well as MJ Compact fittings. Tyler has also added a full line of fusion bonded epoxy coated fittings for drinking water service applications. The epoxy coating is applied with 6-8 mil thickness inside and out, has a red oxide color and meets or exceeds the ANSI/AWWA C116/A21.16 specifications.

Question: Does Tyler offer any interior coating for wastewater treatment lines?

Answer: No.