



**GASKETS FOR DUCTILE IRON PIPE  
COMMON USES**

**POLYMER**

SBR	Fresh water, salt water, storm water, sanitary sewage.
EPDM	Fresh water, salt water, storm water, sanitary sewage, vegetable oil, elevated temperatures, dilute acids, dilute alkalis, ketones (MEK, acetone), alcohol.
NEOPRENE	Fresh water, salt water, storm water, sanitary sewage, greasy waste.
NITRILE	Fresh water, salt water, storm water, sanitary sewage, refined petroleum oils and fluids, fats, greases. While Nitrile is resistant to deterioration it is not impermeable to low molecular weight petroleum products and FKM should be considered as an alternate in some cases.
FKM	Fresh water, salt water, storm water, sanitary sewage, most chemicals and solvents, aromatic hydrocarbons and fuels, chlorinated hydrocarbons, high temperatures. Due to its excellent permeation resistance, FKM is normally specified for potable water lines in areas saturated with low molecular weight petroleum products.

**MAXIMUM TEMPERATURE RATINGS**

<u>POLYMER</u>	<u>WATER AND SEWAGE</u> Push-on, MJ, Toruseal	<u>AIR* **</u>	
		Push-on	MJ, Toruseal
SBR	150°F	150°F	125°F
EPDM	212°F	200°F	150°F
NEOPRENE	200°F	180°F	150°F
NITRILE	150°F	150°F	125°F
FKM	212°F	300°F	300°F

\*Lubricating oil in the air will adversely affect SBR and EPDM performance.

\*\*SBR, Nitrile, or Neoprene is not recommended for air exposure in wastewater treatment systems.

Temperatures above the recommended maximums can be tolerated for short periods without immediate deterioration. However, the life expectancy will be shortened as the time at elevated temperatures is increased.

Since there are so many application variables outside our control or knowledge, we cannot offer any specific life expectancy for gaskets.

Regardless of the type polymer used, Specification Rubber Products produces all gaskets to meet the requirements of ANSI/AWWA C111/A21.11 unless customer specifications require something different. On the basis of currently available information and test results, we believe all our gasket materials will provide satisfactory service in water containing a maximum of 5mg/L of chloramines. There currently exists no standard method to determine suitable resistance to chloramines and the effect of long term exposure (10+ years) is not known.

*The information in this certificate is being provided for informational purposes only and to clarify certain information concerning Specification Rubber products. Nothing provided in this certificate shall be construed as a representation or warranty by Specification Rubber, or a modification of any of the terms and conditions of sale agreed to between Specification Rubber and its customers.*