

ROMAC INDUSTRIES, INC.
STYRENE BUTADIENE RUBBER (SBR)
GASKET MATERIAL

SUBMITTAL INFORMATION

USE: Styrene Butadiene Rubber (SBR) is the most common synthetic rubber. It is the standard used in water and wastewater service. SBR used by Romac is especially formulated for this service in accordance with ASTM D 2000 MBA 710.

CHARACTERISTICS:

Temperature Range: Cont.	-40 °F to +180 °F
Weathering:	Fair-Good
Abrasion:	Good
Compression Set:	Good
Tearing:	Good

SPECIFICATIONS:

Requirements of ASTM D 2000 MBA 710:

Vulcanizate Properties

Cure: 10 minutes at 310 °F (154.4 °C)

◦ <u>Stress-Strain and Hardness</u>	<u>Requirement - BA</u>
Tensile Strength, psi	1450
Elongation, %	250
Hardness, Duro A, pts	70 ±5

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SUBMITTAL INFORMATION (CONTINUED)

SPECIFICATIONS (Continued):

Vulcanizate Properties (Continued)

- Heat Resistance, ASTM D 573
70 hours at 212 °F (100°C)

% change in Tensile Strength.
% change in Elongation.
Change in Hardness.

±30% max
-25% max
+10 points

- Compression Set ASTM D 395,
Method D395 solid

22 hours at 158 °F (70 °C)

50 % max

Other gasket compounds are available from Romac for use where SBR is not suitable.

9/04

Romac Document Number 45-8-0004

This information is based on the best data available at the date printed above, please check with Romac Engineering Department for any updates or changes.