

# 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 waste-water service. SBR used by Romac is especially formulated for this service in accordance with ASTM D 2000.

### CHARACTERISTICS

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

### SPECIFICATIONS

Requirements of ASTM D 2000:

#### VULCANIZATE PROPERTIES

Cure: 10 minutes at 310 °F (154.4°C)

STRESS-STRAIN & HARDNESS	REQUIREMENT
Tensile Strength, Min. Ultimate psi	2000
Elongation, Min. Ultimate %	225
Hardness, Duro Shore A points	70 ±5

#### HEAT RESISTANCE

ASTM D 573

70 hours at 126°F (70°C)

% change in Tensile Strength	-25% max
% change in Elongation	-35% max
Change in Hardness	+10 points

#### COMPRESSION SET

ASTM D 395

Method B

22 hours at 158 °F (70°C)	20% max
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Other gasket compounds are available from Romac for use where SBR is not suitable.

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*This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.*