

# STYRENE BUTADIENE RUBBER (SBR) NSF 61 CERTIFIED RUBBER 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

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.*