SBR

Common Name	SBR, GRS
Trade Names	Ironsides
ASTM D-2000 Classification	AA, BA
Military (MIL-STD 417)	RS
Chemical Definition	Styrene Butadiene

GENERAL CHARACTERISTICS

Durometer Range (Shore A)	30 – 100
Tensile Range (P.S.I.)	500 – 3000
Elongation (Max.%)	600
Compression Set	Good
Resilience – Rebound	Good
Abrasion Resistance	Excellent
Tear Resistance	Fair
Solvent Resistance	Poor
Oil Resistance	Poor
Low Temperature Usage (F°)	0° to -50°
High Temperature Usage (F°)	to 225°
Aging Weather – Sunlight	Poor
Adhesion to Metals	Excellent

COMMENT

SBR is a low cost non-oil resistant material. It has good water resistance and resilience up to 70 durometer; compression set becomes poorer with higher durometer; generally satisfactory for most moderate chemicals and wet or dry organic acids. SBR is not recommended for ozone, strong acids, oils, greases, fats and most hydrocarbons.