



Rubber Products Distributors

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.