

Neoprene

Common Name _____	Neoprene®
Trade Names _____	Matchless
	Mirprene
ASTM D-2000 Classification _____	BC, BE
Military (MIL-STD 417) _____	SC
Chemical Definition _____	Polychloroprene

GENERAL CHARACTERISTICS

Durometer Range (Shore A) _____	20 – 95
Tensile Range (P.S.I.) _____	500 – 3000
Elongation (Max.%) _____	600
Compression Set _____	Good
Resilience – Rebound _____	Excellent
Abrasion Resistance _____	Excellent
Tear Resistance _____	Good
Solvent Resistance _____	Fair
Oil Resistance _____	Fair
Low Temperature Usage (F°) _____	+10° to -50°
High Temperature Usage (F°) _____	to 250°
Aging Weather – Sunlight _____	Good
Adhesion to Metals _____	Good to Excellent

COMMENT

Neoprene is an all purpose polymer with many desirable characteristics. It has additional plus features: high resilience with low compression set; flame resistant; compounds free of sulphur are easily made; and animal and vegetable oil resistant generally not affected by moderate chemicals, fats, greases and many oils and solvents.

Neoprene is generally attacked by strong oxidizing acids, esters, ketones, chlorinated aromatic and nitro hydrocarbons.