



Rubber Products Distributors

Fluoro Elastomers

Common Name _____	Fluoro Elastomers
Trade Names _____	Viton® Fluorel®Vi-C hem—Compound No. EV-9970
ASTM D-2000 Classification _____	HK
Military (MIL-STD 417) _____	MIL-R-25897 and MIL-R-83248
Chemical Definition _____	Fluorinated Hydrocarbon

GENERAL CHARACTERISTICS

Durometer Range (Shore A) _____	60 – 90
Tensile Range (P.S.I.) _____	500 – 2000
Elongation (Max.%) _____	300
Compression Set _____	Good
Resilience – Rebound _____	Fair
Abrasion Resistance _____	Good
Tear Resistance _____	Good
Solvent Resistance _____	Excellent
Oil Resistance _____	Excellent
Low Temperature Usage (F°) _____	+10° to -10°
High Temperature Usage (F°) _____	400° to 600° depending on time and service condition
Aging Weather – Sunlight _____	Excellent
Adhesion to Metals _____	Good

COMMENT

Fluoro Elastomers have heat resistance up to 600°F, and resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils.

V-Chem is not recommended for ketones, low molecular weight esters and nitro containing compounds.

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