EMI Conductive Rubber, LLC

1035 N. ARMANDO STREET UNIT – ANAHEIM, CA 92806 1-888-327-7122/ 714-414-0977 /714-414-1179

http://www.emiconductiverubberllc.com

Email: emigaskets@gmail.com

Fluorocarbon

Common Name	**Fluorocarbon**
ASTM D-2000 Classification	**HK**
Chemical Definition	**Vinyllidienefluoridehexafluropropylene**

General Characteristics

Durometer Range (Shore A)	50-95
Tensile Range (P.S.I.)	500 – 2,000
Elongation (Min-Max. %)	400-500
Compression Set	Good to Excellent
Resilience - Rebound	Poor to Fair
Abrasion Resistance	Fair to Good
Tear Resistance	Fair to Good
Solvent Resistance	Excellent
Oil Resistance	Excellent
Low Temperature Usage (F°)	-30° to 0°
High Temperature Usage (F°)	450°-500°
Adhesion to Metal	Good to Excellent

Description:

Fluorocarbon Elastomers were first introduced in the mid 1950s. Since then they have grown to major importance in the rubber seal industry. Due to its wide spectrum chemical compatibility and temperature range and its low compression set, fluorocarbon rubber is the most significant single elastomer delopment in the recent history.

Fluorocarbon O-Rings should be considered for use in aircraft, automobile and other mechanical devices requiring maximum resistance to elevated temperature and too many functional fluids.

RECOMMENDED FOR	NOT RECOMMENDED FOR
Petroleum oils, Di-ester base lubricants (MIL-L-7808, MIL-L-6085)	Ketones (MEK, Acetone)
Silicate ester base lubricants (MLO 8200, MLO 8515, OS-45)	Amines (UDMH), anhydrous
Halogeneted hydrocarbons, acids	Ammonia, skydrol fluids