

FLUORFLEX

10370

FluoroThermoPlastic Elastomer

Extreme fatigue resistance in flexible applications like diaphragms
 Highly flexibility and tough material
 Can be injection molded, extruded, or solvent cast
 Excellent weatherability, UV and radiation resistance
 Resistant to chemicals, ozone, and moisture
 Thermoplastic material with no curing or cross linking agents allows reprocessing
 Applications in wire & cable, tubing, diaphragms, seals, gaskets, conformable films and o-rings
 Substitute for THV materials and compounded fluoroelastomers

| <u>Specification:</u> | <u>Range*</u> | <u>Unit of Measure</u> |
|-----------------------|---------------|------------------------|
| Tensile Strength | 1550 | Pounds per Square Inch |
| Elongation at Break | 700 | Percent |
| Yield Stress | 1300 | Pounds per Square Inch |
| Elongation at Yield | 100 | Percent |
| Modulus at 100% | .126 | PSI |
| Modulus at 300% | .500 | PSI |
| Tensile Modulus | 4657 | PSI |
| Durometer Hardness | 78 | Shore A |
| Burning Properties | V0 | |
| Limiting Oxygen Index | >40 | Percent |
| Specific Gravity | 1.78 | g/cc |
| Temperature Range | -20 - 175 | Degrees Fahrenheit |
| Compression Set | 10 - 35 | Percent |

*reference only, not to be used for specifications

FluorFlex FluoroThermoPlastic Elastomers are formulated with custom blends of Kynar® resins to help customers receive the proper engineered material for their application. Formulations offer broad chemical resistance to many acids and bases, as well as most fuel applications. Chemical resistance for applications must be verified by the customer.

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