

## INFORMATION

### Fluoro (Viton) Rubber Sheet

Excellent resistance to heat and mineral oil combinations hot greases, wide range of concentrated acids, fuels and solvent, aliphatic and aromatic hydrocarbons. It exhibits good abrasion and tear resistance. Widely used elastomer offering industry high performance in a variety of applications requiring outstanding fluid resistance and low permeability to gases. It also benefits from good temperature extremes, good resistance to atmospheric oxidation, fungus and mould.

|   |                         |         |             |
|---|-------------------------|---------|-------------|
| Standard width :  | 1000mm                  |         |             |
| Width range :   | 500mm - 2000mm          |         |             |
| Length :  | 10m                     |         |             |
| Thickness :   | From 1 mm to 50 mm      |         |             |
| Standard Color :  | Black                   |         |             |
| Work Temperature:   | -20 °C -- 250 °C        |         |             |
| Specification :   | Test Method             | Unit    | Test Result |
| Specific Gravity  | ASTM D792               | g/cm3   | 2.0+-0.1    |
| Hardness  | ASTM D2240              | Shore A | 75+-5       |
| Tensile Strength  | JIS K6301               | kgf/cm2 | 160         |
| Tear Strength   | ASTM D-412              | kgf/cm  | 80          |
| 100% Modulus  | ASTM D-412              | kgf/cm2 | 86          |
| Elongation  | JIS K6301               | %       | 300         |
| Compression Set (Using a 3.5 mm dia.O-ring)                             | 72H at 25°C             |         | 6%          |
|   | 72H at 100°C            |         | 11%         |
|   | 72H at 150°C            |         | 12%         |
|   | 72H at 175°C            |         | 16%         |
|   | 72H at 200°C            |         | 22%         |
| Aging Properties, 230°C,<br>72 hours                                    | Hardness Change         |         | +0 shore A  |
|   | Tensile Strength Change |         | -6%         |
|   | Elongation Change       |         | +4%         |
| Aging Properties, 275°C,<br>72 hours                                    | Hardness Change         |         | +1 shore A  |
|   | Tensile Strength Change |         | -28%        |
|   | Elongation Change       |         | +22%        |
| Oil Resistance Properties, test<br>by gasoline, under 40°C,<br>70 hours | Hardness Change         |         | -4 shore A  |
|   | Tensile Strength Change |         | -18%        |
|   | Elongation Change       |         | -4%         |

Volume Change

+3.5%

**Yureka**