



MATERIAL DATA SHEET

Material ref: FK8092

Description: 90 duro fluoroelastomer

MADE FROM DUPONT VITON®

ASTMD2000 M3HK910 A1-10 B37B38EF31E078Z1-DUPONT VITON®

| | Test <u>Method</u> | Unit of <u>Measure</u> | Nominal <u>Value</u> | Obtained <u>Value</u> |
|--|-----------------------|---------------------------|-------------------------|--------------------------|
| Hardness | ASTM D2240 | Shore A | 90+/-5 | 90 |
| Tensile Strength | ASTM D 412 | Mpa | 10 min | 14.5 |
| Ult. Elongation | ASTM D412 | % | >100 | 121 |
| Specific Gravity | ASTM D1817 | G/cm3 | | 1.85 |
| Compression Set 22 hrs @ 175C | ASTM 395B | % | 30 max | 13 |
| Compression Set 22 hrs @ 200C | ASTM 395B | % | 50 | 14 |
| Air Aging 70 hrs @ 250C | ASTM D573 | | | |
| Hardness Change | | Shore A | +10 max | +1 |
| Tensile Change | | % | -25 max | -3 |
| Elong. Change | | % | -25 max | +2 |
| Fuel Resistance Service Fluid 101 70 hrs @ 200C | ASTM D471 | | | |
| Hardness Change | | points | -15 to +5 | -11 |
| Tensile Change | | % | -40 max | -17 |
| Elong. Change | | % | -20 max | -11 |
| Volume change | | % | 0 to +15 | +12 |
| Fuel Resistance Fuel C 70 hrs @ 23C | ASTM D471 | | | |
| Hardness Change | | points | -5 to +5 | -4 |
| Tensile Change | | % | -25 max | -10 |
| Elong. Change | | % | -20 max | -2 |
| Volume change | | % | 0 to +10 | +3 |

DATA IS DERIVED FROM ASTM SLABS AND BUTTONS