



MATERIAL DATA SHEET

Material ref: FK8064

Description: 70 duro fluoroelastomer/Food Grade

Typical Properties

Formulated per 21CFR 177.2600

| | <u>Test Method</u> | <u>Unit of Measure</u> | <u>Nominal Value</u> | <u>Obtained Value</u> |
|---|--------------------|------------------------|----------------------|-----------------------|
| Hardness | ASTM D2240 | Shore A | 70+/-5 | 73 |
| Tensile Strength | ASTM D 412C | psi | 1450 | 1716 |
| Ult. Elongation | ASTM D412C | % | 175 min | 225 |
| Compression Set 22 hrs @ 200C | ASTM 395B | % | 50 | 22 |
| Heat Resistance 70 hrs @ 250C | ASTM D573 | | | |
| Hardness Change | | Shore A | +10 max | +3 |
| Tensile Change | | % | -25 max | +2 |
| Elong. Change | | % | -25 max | -12 |
| Oil Aging Service Fluid 101 70 hrs @ 200C | ASTM D471 | | | |
| Hardness Change | | Shore A | -15 to +5 | -8 |
| Tensile Change | | % | -40 max | -14 |
| Elong. Change | | % | -20 max | -16 |
| Vol. Change | | % | 0 to +15 | +11 |
| Fuel Resistance ASTM Fuel C 70 hrs @ 23C | ASTM D471 | | | |
| Hardness Change | | Shore A | +/-5 | -3 |
| Tensile Change | | % | -25 max | -16 |
| Elong. Change | | % | -20 max | -13 |
| Vol. Change | | % | 0 to +10 | +3 |

DATA IS DERIVED FROM SLABS AND BUTTONS
NOT ACTUAL PARTS