

Data Sheet: N70H (High ACN Content)

MATERIAL: NITRILE 70 SHORE HIGH NITRILE -41% ACN CONTENT

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -35°C to 110°C

SPECIFICATION: ASTM D2000 M2BG710 A14 B14 EO14 EO34 Z1

| PHYSICAL PROPERTIES | REQUIREMENT | TEST RESULT |
|-----------------------|-------------|-------------|
| HARDNESS SHORE A | 70+/-5 | 75 |
| TENSILE STRENGTH, MPa | 10 | 14.1 |
| ELONGATION % | 250 | 342 |
| SPECIFIC GRAVITY | | 1.372 |

HEAT AGEING 70 hrs @ 100°C

| | | |
|---------------------------|-------|-----|
| HARDNESS CHANGE, POINTS | +/-15 | +2 |
| TENSILE STRENGTH CHANGE % | +/-30 | +13 |
| ELONGATION CHANGE % | -50 | -38 |

COMPRESSION SET

| | | |
|------------------------------|----|----|
| HEAT AGEING 22 hrs @ 100°C % | 25 | 23 |
|------------------------------|----|----|

FLUID RESISTANCE, NO.1 OIL, 70 hrs @ 100°C

| | | |
|---------------------------|--------|-----|
| HARDNESS CHANGE, POINTS | -5/+10 | -2 |
| TENSILE STRENGTH CHANGE % | -25 | +23 |
| ELONGATION CHANGE % | -45 | +8 |
| VOLUME CHANGE % | -10/+5 | -5 |

FLUID RESISTANCE, IRM903 OIL 70 hrs @ 150°C

| | | |
|---------------------------|--------|-----|
| HARDNESS CHANGE, POINTS | -5/+10 | -3 |
| TENSILE STRENGTH CHANGE % | -45 | +26 |
| ELONGATION CHANGE % | -45 | +44 |
| VOLUME CHANGE % | 0/+25 | +7 |

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 18.02.2013