

**Material:** Nitrile**Shore:** 70**Temperature Range:** -25°C to 100°C**ASTM Specification:** ASTM D2000 M5BG 710 A14 B14 EO145 EO34

| Physical Properties  | Test Method | Value | Result |
|----------------------|-------------|-------|--------|
| Hardness Shore A     | ASTM D2240  | 70±5  | 72.5   |
| Tensile Strength Mpa | ASTM D412   | 14    | 13.66  |
| Elongation %         | ASTM D412   | 250   | 345    |
| Specific Gravity     |             |       | 1.27   |

**Heat Age 70Hrs 100°C**

|                          |           |     |      |
|--------------------------|-----------|-----|------|
| Hardness Change,pts      | ASTM D573 | ±15 | +5.3 |
| Tensile Strength Change% | ASTM D573 | -20 | +3   |
| Elongation Change%       | ASTM D573 | -40 | -14  |

**Compression Set 22Hrs 100°C**

ASTM D395 25% 16

**IRM 901 Oil 70Hrs 100°C**

ASTM D471

|                          |        |     |
|--------------------------|--------|-----|
| Hardness Change,pts      | -5~+15 | +9  |
| Tensile Strength Change% | -25    | +11 |
| Elongation Change%       | -45    | -5  |
| Volume Change%           | -10~+5 | -8  |

**IRM 903 Oil 70Hrs 100°C**

ASTM D471

|                          |        |      |
|--------------------------|--------|------|
| Hardness Change,pts      | -15~0  | -0.3 |
| Tensile Strength Change% | -45    | +4   |
| Elongation Change%       | -45    | -6   |
| Volume Change%           | -0~+35 | +3.4 |

Data is based on testing slabs and buttons and are for reference only.

This information is to the best of our knowledge, accurate reliable to the date indicated.



Unit 3 Sovereign Business Park,  
Jubilee Industrial Estate, Ashington  
Northumberland, NE63 8UG, UK  
T: +44 (0) 1670 840529  
F: +44 (0) 1670 840644  
E: sales@easternseals.co.uk  
W: www.easternseals.co.uk

Date: 23/10/2019