



O-Ring Nitrile 70 Technical Datasheet

Description

Nitrile 70 O-rings are manufactured from a combination butadiene and acrylonitrile. They are typically used as an O-ring for general purpose applications.

Application

Nitrile 70 O-rings have some resistance to oils, greases and other petroleum based products. They are not suitable for contact with aromatic hydrocarbons. They provide good compression set, tear, and abrasion resistance.



Typical Physical Properties

| | | |
|-------------------|-------------|-------------------|
| Polymer | | NBR |
| Density | ASTM D297 | 1.24g/cc |
| Hardness | ASTM D2240 | 70 Shore A +/-5 |
| Tensile Strength | ASTM D412 | 14.5% |
| Elongation | ASTM D412 | 449% |
| Compression Set | ASTM D395 B | 13% (22hrs @100°) |
| Temperature Range | | -20 to 90°C |

Availability

| | |
|----------------------|---|
| Size | 1mm to 600mm (in one piece), others on request |
| Cross Section | 1mm x 12mm, others on request |
| Standards | BS1806, BS4518, ISO/DIN 3601, |
| Specification | ASTM D2000 M2BG 714 A14 B14 EA14 EF11 EF21 EO14 EO34 |
| Colour | Black |
| Materials | Full range on request |

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