



O-Ring Nitrile 90 Technical Datasheet

Description

Nitrile 90 O-rings are manufactured from a combination butadiene and acrylonitrile. They are typically used as a cost effective O-ring for higher pressure applications.

Application

Nitrile 90 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	1.33g/cc
Hardness	ASTM D2240	90 Shore A +/-5
Tensile Strength	ASTM D412	16.4 MPA
Elongation	ASTM D412	254%
Compression Set	ASTM D395 B	7.9% (22hrs @100°)
Temperature Range		-20°C 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 M6BG 910 A14 B14 EF11 EF21 EO14 EO34
Colour	Black
Materials	Full range on request

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