



O-Ring FKM Technical Datasheet

Description

An FKM O-ring designed as a cost effective alternative to Viton®. It is typically used where resistance to high temperatures, chemicals and oils is required.

Application

FKM has good ozone resistance, and is suitable for mineral oils and greases, aliphatic, aromatic and also special chlorinated hydrocarbons, petrol, diesel fuels, silicone oils and greases. It has outstanding temperature resistance and can be used as an alternative to Nitrile (NBR) at higher temperatures and in outdoor sealing applications. FKM O-Rings are commonly used in vacuum applications due to lower permeability.



Typical Physical Properties

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|-------------------|-------------|-------------------|
| Polymer | | FKM |
| Density | ASTM D297 | 1.80g/cc |
| Hardness | ASTM D2240 | 75 Shore A +/-5 |
| Tensile Strength | ASTM D412 | 14 MPA |
| Elongation | ASTM D412 | 288% |
| Compression Set | ASTM D395 B | 18% (22hrs @100°) |
| Temperature Range | | -30 to 210°C |

Availability

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|----------------------|--|
| 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 M4HK 710 A1-11 B37 B38 EF31 EO36 EO78 |
| Colour | Black |
| Materials | Full range on request |

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