

RUBBER FORMULA KA6912



Technical Data Sheet

Highlights

Black nitrile rubber formulation
Low extractables
Swell in alcohol
Good ozone resistance

Physical Properties

| | | |
|------------------------------|------------------------|-----------|
| Density | 1,24 Mg/m ³ | ISO 2781 |
| Hardness | 63 Shore A 2" | ISO 868 |
| Hardness | 62 Shore A 10" | ISO 868 |
| Hardness | 71 Shore M | ASTM 2240 |
| Elastic modulus 100% | 4.4 MPa | ISO 37 |
| Rupture strength | 16.0 MPa | ISO 37 |
| Elongation at rupture | 410 % | ISO 37 |
| Compression set 25%/22h/70°C | 12 % | ISO 815 |
| Tension set 50%/100h/50°C | 6. % | |

Chemical Properties

| TEST MEDIUM | THICKNESS SWELL %/23°C | | CHANGE OF SHORE M | |
|--------------------------|------------------------|---------|-------------------|---------|
| | 3 days | 8 weeks | 3 days | 8 weeks |
| Hexane | 5 | 5 | -12 | -9 |
| Toluene | 41 | 41 | -34 | -34 |
| Water | 1 | 3 | -1 | -1 |
| Water/Ethanol 1:1 | 3 | 3 | -8 | -8 |
| Ethanol | 5 | 4 | -12 | -8 |
| Isopropanol | 5 | 3 | -12 | -8 |
| Dimethyl ether (DME) | 25 | 25 | -19 | -24 |
| Ethyl acetate | 39 | 37 | -31 | -31 |
| Acetone | 42 | 43 | -30 | -30 |
| Methylene chloride | 70 | 71 | -30 | -30 |
| Perchloro ethylene | 17 | 16 | -26 | -24 |
| Petroleum Ether | 5 | 6 | -8 | -8 |
| R-134 A | 5 | 4 | -10 | -8 |
| Propane / Butane (15/85) | 6 | 5 | -10 | -7 |

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Weight loss & Color

| TEST MEDIUM | WEIGHT LOSS % 24h./23°C | COLOR (Gardner) |
|--------------------|-------------------------|-----------------|
| Hexane | 1,0 | 4 |
| Ethanol | 3.2 | 1 |
| Methylene chloride | 8.0 | 6 |

Regulatory Compliance

Heavy metals (Directive 94/62 CEE and CONEG)
Latex free
Phthalates free
Substance halogenated free
BSE (Emea/410/01 rev.2)

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