

RUBBER FORMULA N206



Technical Data Sheet

Highlights

Black neoprene rubber formulation
Nitrosamines and nitrosables free
No Methylene chloride cracking

Physical Properties

| | | |
|------------------------------|------------------------|------------|
| Density | 1,50 Mg/m ³ | ISO 2781 |
| Hardness | 73 Shore A 2" | ISO 868 |
| Hardness | 72 Shore A 10" | ISO 868 |
| Hardness | 78 Shore M | ASTM D2240 |
| Elastic modulus 100% | 8.0 MPa | ISO 37 |
| Rupture strength | 11.3 MPa | ISO 37 |
| Elongation at rupture | 140 % | ISO 37 |
| Compression set 25%/22h/70°C | 8.0% | ISO 815 |
| Tension set 50%/100h/50°C | 5.3% | |

Chemical Properties

| TEST MEDIUM | THICKNESS SWELL %/23°C | | CHANGE OF SHORE M | |
|--------------------------|------------------------|---------|-------------------|---------|
| | 3 days | 8 weeks | 3 days | 8 weeks |
| Hexane | 7 | 7 | -9 | -9 |
| Toluene | 38 | 39 | -15 | -17 |
| Water | 1 | 2 | 0 | -1 |
| Water/Ethanol 1:1 | 2 | 4 | 0 | -1 |
| Ethanol | 0 | -3 | 0 | 3 |
| Isopropanol | -1 | -3 | 1 | 3 |
| Dimethyl ether (DME) | 12 | 13 | | |
| Ethyl acetate | 18 | 17 | -14 | -14 |
| Acetone | 4 | 4 | -8 | -8 |
| Methylene chloride | 33 | 34 | -16 | -17 |
| Perchloro ethylene | 36 | 36 | -16 | -16 |
| Petroleum Ether | 10 | 10 | | |
| R-134 A | 0 | -2 | | |
| Propane / Butane (15/85) | 5 | 5 | | |

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Weight loss & Color

| TEST MEDIUM | WEIGHT LOSS % 24h./23°C | COLOR (Gardner) |
|--------------------|-------------------------|-----------------|
| Hexane | 6.4 | 1 |
| Ethanol | 2.0 | 2 |
| Methylene chloride | 8.0 | 4 |

Regulatory Compliance

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

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