

129001429

FKM 90 black HF

Rev. 03

General Application Temperature Range

From -15°C
To +220°C

General Environmental

Application

Chemicals
Hydrocarbons
High Temp.

Curing System

Bisphenol AF

Compliances

Note

Disclaimer

Tests performed on test slabs. Temperatures, applications, and indications are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

PHYSICAL AND MECHANICAL PROPRIETIES

| Property | Test STD | Unit | Value |
|------------------|------------|-------------------|-------------|
| Density | ISO 2781 | g/cm ³ | 1.89 ± 0.03 |
| Hardness | ISO 7619-1 | Shore A | 90 ± 5 |
| Tensile Strength | ISO 37 | MPa | > 11 |
| Elongation | ISO 37 | % | > 90 |

LOW TEMPERATURE RESISTANCE

| Property | Test STD | Unit | Value |
|----------|------------|------|-------|
| TR10 | ASTM D1329 | °C | < -10 |

COMPRESSION SET TESTS

| Parameters | Test STD | Unit | Value |
|-------------|-------------|------|-------|
| 24h @ 200°C | ASTM D395 B | % | < 30 |
| 72h @ 200°C | ASTM D395 B | % | < 55 |

AGEING PROPERTIES

Heat Aging - 168h @ 200°C Standard: ASTM D573

| Properties | Unit | Value |
|------------------|---------|-------|
| Hardness | Shore A | + 3.0 |
| Tensile Strength | % | +18.7 |
| Elongation | % | - 1.5 |
| Volume | % | |
| Weight | % | |

FAM A - 72h @ 23°C Standard: ASTM D471

| Properties | Unit | Value |
|------------------|---------|-------|
| Hardness | Shore A | -2.5 |
| Tensile Strength | % | |
| Elongation | % | |
| Volume | % | +2.1 |
| Weight | % | +1.1 |

FAM B - 72h @ 23°C Standard: ASTM D471

| Properties | Unit | Value |
|------------------|---------|-------|
| Hardness | Shore A | -4.5 |
| Tensile Strength | % | |
| Elongation | % | |
| Volume | % | + 3.4 |
| Weight | % | + 1.5 |

Standard:

| Properties | Unit | Value |
|------------------|---------|-------|
| Hardness | Shore A | |
| Tensile Strength | % | |
| Elongation | % | |
| Volume | % | |
| Weight | % | |