

Acetone compatibility with AFLAS®



Test method Soaked into the fluid at RT for 168 hours.
Test fluid Acetone
Test piece AFLAS® 150P (standard formulation)

| Formulation | AFLAS® 150P | 100 |
|-------------|-----------------|-----|
| | MT-Carbon(N990) | 30 |
| | TAIC* | 5 |
| | Perkadox® 14** | 1 |
| | Sodium Stearate | 1 |

(phr)

Cure Conditions Press molded at 170C for 20min
Post cured at 200C for 4h

| Properties (before test) | AFLAS® 150P | ref: 3-FKM(peroxide) |
|--------------------------|-------------|----------------------|
| Tensile strength [MPa] | 15 | 21 |
| Tensile Elongation [%] | 311 | 309 |
| Hardness [shore-A] | 71 | 68 |

| Acetone compatibility RT for 168 hours | AFLAS® 150P | ref: 3-FKM(peroxide) |
|---|-------------|----------------------|
| Change of Tensile Strength [%] | -52 | -74 |
| Change of Tensile Elongation [%] | -34 | -52 |
| Change in Hardness [points] | -33 | -15 |
| Volume change [%] | 45 | 60 |

* Triallylisocyanurate

** 1,3-bis(t-butylperoxy)-diisopropylbenzene. Perkadox® is a registered trademark of Akzo Nobel Chemicals B.V.