

Xylene compatibility with AFLAS®



Test method Soaked into the fluid at RT for 168 hours.
Test fluid Xylene
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 |
|--------------------------|-------------|
| Tensile strength [MPa] | 15 |
| Tensile Elongation [%] | 311 |
| Hardness [shore-A] | 71 |

| Xylene compatibility RT for 168 hours | AFLAS® 150P |
|--|-------------|
| Change of Tensile Strength [%] | -50 |
| Change of Tensile Elongation [%] | -23 |
| Change in Hardness [points] | -28 |
| Volume change [%] | 36 |

* Triallylisocyanurate

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