

## DMSO 20% + H<sub>2</sub>O 80% compatibility with AFLAS<sup>®</sup>



**Test method** Soaked in DMSO 20% + H<sub>2</sub>O 80% at 140°C for 72 hours  
**Test fluid** DMSO 20% + H<sub>2</sub>O 80%  
**Test piece** AFLAS<sup>®</sup> 100S (standard formulation)

### Formulation

AFLAS <sup>®</sup> 100S	100
MT-Carbon(N990)	30
TAIC*	5
Perkadox <sup>®</sup> 14**	1
Sodium Stearate	1

(phr)

### Cure Conditions

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

Properties (before test)	AFLAS <sup>®</sup> 100S
Tensile strength [MPa]	23.2
Tensile Elongation [%]	236
Hardness [shore-A]	72

DMSO 20% + H <sub>2</sub> O 80% compatibility 140 °C for 72 hours	AFLAS <sup>®</sup> 100S
Change of Tensile strength [%]	-19
Change of Tensile Elongation [%]	0
Change in Hardness [points]	-4
Volume change [%]	6

\* Triallylisocyanurate

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