DMSO 20% + H_2O 80% compatibility with AFLAS®

Test method Soaked in DMSO 20% + H_2O 80% at 140℃ for 72 hours

Test fluid DMSO 20% + H_2O 80%

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]	20.5
Tensile Elongation [%]	257
Hardness [shore-A]	70

DMSO 20% + H_2O 80% compatibility 140 ℃ for 72 hours	**AFLAS® 150P**
Change of Tensile strength [%]	**-25**
Change of Tensile Elongation [%]	**-11**
Change in Hardness [points]	**-5**
Volume change [%]	**5**

* Triallylisocyanurate

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