Sodium hypochlorite compatibility with AFLAS®

Test method Soaked into the fluid at 40℃ for 70 hours.

Test fluid Sodium hypochlorite (NaClO)

Test piece AFLAS® 100S (standard formulation)

Formulation

AFLAS® 100S	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® 100S
Tensile strength [MPa]	**20**
Tensile Elongation [%]	**230**
Hardness [shore-A]	**72**

Sodium hypochlorite compatibility 40 ℃ for 70 hours	AFLAS® 100S
Chang of Tensile Strength [%]	**-8**
Change of Tensile Elongation [%]	**-3**
Change in Hardness [points]	**-2**
Volume change [%]	**1**

* Triallylisocyanurate

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