

Sodium hypochlorite compatibility with AFLAS®



Test method Soaked into the fluid at 40°C for 70 hours.
Test fluid Sodium hypochlorite (NaClO)
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]	17
Tensile Elongation [%]	280
Hardness [shore-A]	70

sodium hypochlorite compatibility 40 °C for 70 hours	AFLAS® 150P
Change of Tensile Strength [%]	-9
Change of Tensile Elongation [%]	+2
Change in Hardness [points]	-1
Volume change [%]	1

* Triallylisocyanurate

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