

# Tetraethoxysilane (TEOS) compatibility with AFLAS®



**Test method** Soaked into the fluid at R.T. for 72 hours.  
**Test fluid** Tetraethoxysilane (TEOS)

**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]	16.1
Tensile Elongation [%]	315
Hardness [shore-A]	69

TEOS compatibility R.T. for 72 hours	AFLAS® 150P
Change of Tensile Strength [%]	-1.3
Change of Tensile Elongation [%]	10.2
Change in Hardness [points]	1.6
Volume change [%]	0

\* Triallylisocyanurate

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