

# Strong sulfuric acid 96% aq compatibility with AFLAS®



**Test method** Soaked into the fluid at 100°C for 70 hours  
**Test fluid** Strong sulfuric acid 96% aq  
**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	2-FKM (polyol cure)
Tensile strength [MPa]	18	17
Tensile Elongation [%]	260	270
Hardness [shore-A]	70	73

Strong sulfuric acid 96% aq compatibility 100°C for 70 hours	AFLAS® 150P	2-FKM (polyol cure)
Change of Tensile Strength [%]	-1	-1
Change of Tensile Elongation [%]	1	-11
Change in Hardness [points]	-3	-7
Volume change [%]	5	18

\* Triallylisocyanurate

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