

Triethyl Phosphate compatibility with AFLAS[®]



Test method Soaked into the fluid at room temperature for 72 hours.
Test fluid Triethyl Phosphate
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

Triethyl Phosphate compatibility R.T. for 72 hours	AFLAS [®] 150P
Change of Tensile Strength [%]	-0.9
Change of Tensile Elongation [%]	10.5
Change in Hardness [points]	-1
Volume change [%]	2.1

* Triallylisocyanurate

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