

# Ethylene Diamine compatibility with AFLAS®



**Test method** Soaked into the fluid at 25°C for 168 hours.  
**Test fluid** Ethylene Diamine  
**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	ref. 2-FKM(polyol)
Tensile strength [MPa]	17	14
Tensile Elongation [%]	280	212
Hardness [shore-A]	70	78

Ethylene Diamine compatibility 25 °C for 168 hours	AFLAS® 150P	ref. 2-FKM(polyol)
Change of Tensile Strength [%]	+5	decomposition
Change of Tensile Elongation [%]	+8	decomposition
Change in Hardness [points]	5	decomposition
Volume change [%]	1	decomposition

\* Triallylisocyanurate

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