

# Steam 250°C compatibility with AFLAS®



**Test method** Soaked into the fluid at 250°C for 168 hours.  
**Test fluid** Steam  
**Test piece** AFLAS® 150P (standard formulation)

<b>Formulation</b>	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	Ethylene / Tetrafluoroethylene / PMVE
Tensile strength [MPa]	13.2	15
Tensile Elongation [%]	368	343
Hardness [shore-A]	71	68

Steam compatibility 250 °C for 168 hours	AFLAS® 150P	Ethylene / Tetrafluoroethylene / PMVE
Change of Tensile Strength [%]	-18	-22
Change of Tensile Elongation [%]	4	9
Change in Hardness [points]	-10	-11
Volume change [%]	37.0	61.1

\* Triallylisocyanurate

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