

## NMP compatibility with AFLAS®



**Test method** Soaked into the fluid at 40°C for 70 hours.  
**Test fluid** NMP (N-Methyl Pyrrolidone)  
**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	ref. 2-FKM(polyol)	ref: 3-FKM(peroxide)
Tensile strength [MPa]	<b>18</b>	13.2	20.2
Tensile Elongation [%]	<b>250</b>	180	330
Hardness [shore-A]	<b>71</b>	76	62

NMP compatibility 40 °C for 70 hours	AFLAS® 150P	ref. 2-FKM(polyol)	ref: 3-FKM(peroxide)
Change of Tensile Strength [%]	<b>-15</b>	Not measurable	Not measurable
Change of Tensile Elongation [%]	<b>-8</b>	Not measurable	Not measurable
Change in Hardness [points]	<b>-10</b>	-37	-29
Volume change [%]	<b>9</b>	284	185

\* Triallylisocyanurate

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