

# Formaldehyde compatibility with AFLAS®



**Test method** Soaked into the fluid at RT for 168 hours.  
**Test fluid** Formaldehyde  
**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

<b>Properties (before test)</b>	<b>AFLAS® 150P</b>	<b>ref: 3-FKM(peroxide)</b>
Tensile strength [MPa]	<b>15</b>	21
Tensile Elongation [%]	<b>311</b>	309
Hardness [shore-A]	<b>71</b>	68

<b>Formaldehyde compatibility RT for 168 hours</b>	<b>AFLAS® 150P</b>	<b>ref: 3-FKM(peroxide)</b>
<b>Change of Tensile Strength [%]</b>	<b>-3</b>	-4
<b>Change of Tensile Elongation [%]</b>	<b>-4</b>	0
<b>Change in Hardness [points]</b>	<b>0</b>	0
<b>Volume change [%]</b>	<b>0.2</b>	0.1

\* Triallylisocyanurate

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