

# IRM901 oil compatibility with AFLAS®



**Test method** Soaked into the fluid at 150°C for 168, and 1008 hours.  
**Test fluid** IRM 901 Oil  
**Test piece** AFLAS® 200P (standard formulation)

## Formulation

AFLAS® 200P	100
MT-Carbon(N990)	25
TAIC*	5
Perkadox® 14**	1
Sodium Stearate	1
MgO	3

(phr)

## Cure Conditions

Press molded at 177C for 10min  
Post cured at 230C for 24h

Properties (before test)	AFLAS® 200P
Tensile strength [MPa]	18
Tensile Elongation [%]	267
Hardness [shore-A]	64

IRM 901 oil compatibility 150 °C for 168 hours	AFLAS® 200P
Change of Tensile Strength [%]	-10
Change of Tensile Elongation [%]	5
Change in Hardness [points]	0
Volume change [%]	9.8

IRM 901 oil compatibility 150 °C for 1008 hours	AFLAS® 200P
Change of Tensile Strength [%]	-6
Change of Tensile Elongation [%]	6
Change in Hardness [points]	0
Volume change [%]	13.7

\* Triallylisocyanurate

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