

IRM903 oil compatibility with AFLAS 200P



Test method Soaked into the fluid at 150°C for 168, and 1008 hours.
Test fluid IRM 903 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 903 oil compatibility 150 °C for 168 hours	AFLAS [®] 200P
Change of Tensile Strength [%]	-13
Change of Tensile Elongation [%]	8
Change in Hardness [points]	-7
Volume change [%]	80

IRM 903 oil compatibility 150 °C for 1008 hours	AFLAS [®] 200P
Change of Tensile Strength [%]	-15
Change of Tensile Elongation [%]	10
Change in Hardness [points]	-5
Volume change [%]	63

* Triallylisocyanurate

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