IRM902 oil compatibility with AFLAS 200P

Test method Soaked into the fluid at 150℃ for 168, and 1008 hours.

Test fluid IRM 902 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 902 oil compatibility 150 ℃ for 168 hours	AFLAS® 200P
Chang of Tensile Strength [%]	**-6**
Change of Tensile Elongation [%]	**4**
Change in Hardness [points]	**-1**
Volume change [%]	**92**

IRM 902 oil compatibility 150 ℃ for 1008 hours	AFLAS® 200P
Chang of Tensile Strength [%]	**-1**
Change of Tensile Elongation [%]	**6**
Change in Hardness [points]	**0**
Volume change [%]	**82**

* Triallylisocyanurate

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