

Kerosene compatibility with AFLAS[®]



Test method Soaked into the fluid at 40°C for 168 hours.
Test fluid Kerosene
Test piece AFLAS[®] 150P (standard formulation)

Formulation	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	FKM
Tensile Strength [MPa]	20.1	12.6
Tensile Elongation [%]	273	188
Hardness [shore-A]	70	76

Kerosene compatibility 40 °C for 168 hours	AFLAS[®] 150P	FKM
Change of Tensile Strength [%]	-17	-12
Change of Tensile Elongation [%]	-7	+5
Change in Hardness [points]	-6	-3
Volume Change [%]	3.4	0.3

* Triallylisocyanurate

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