

Kerosene compatibility with AFLAS®



Test method Soaked into the fluid at 40°C for 168 hours.
Test fluid Kerosene
Test piece AFLAS® 100S (standard formulation)

Formulation	AFLAS® 100S	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® 100S	FKM
Tensile Strength [MPa]	21.0	12.6
Tensile Elongation [%]	198	188
Hardness [shore-A]	75	76

Kerosene compatibility 40 °C for 168 hours	AFLAS® 100S	FKM
Change of Tensile Strength [%]	-13	-12
Change of Tensile Elongation [%]	+10	+5
Change in Hardness [points]	-5	-3
Volume Change [%]	2.2	0.3

* Triallylisocyanurate

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