

50% LLC compatibility with AFLAS®



Test method Soaked into the fluid at 160°C for 70 hours.
Test fluid 50% LLC aq (Long Life Coolant by Furukawa chemical industry)
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	ref. 2-FKM(polyol)
Tensile strength [MPa]	20	14
Tensile Elongation [%]	230	212
Hardness [shore-A]	72	78

50% LLC compatibility 160°C for 70 hours	AFLAS® 100S	ref. 2-FKM(polyol)
Change of Tensile Strength [%]	-19	-33
Change of Tensile Elongation [%]	-6	-28
Change in Hardness [points]	-6	-4
Volume change [%]	4	10

* Triallylisocyanurate

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