50% LLC compatibility with AFLAS®

Test method Soaked into the fluid at 160℃ for 70 hours.

Test fluid 50% LLC aq (Long Life Coolant by Furukawa chemical industry)

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	ref. 2-FKM(polyol)
Tensile strength [MPa]	**17**	14
Tensile Elongation [%]	**280**	212
Hardness [shore-A]	**70**	78

50% LLC compatibility 160℃ for 70 hours	AFLAS® 150P	ref. 2-FKM(polyol)
Chang of Tensile Strength [%]	**-18**	-33
Change of Tensile Elongation [%]	**+4**	-28
Change in Hardness [points]	**-6**	-4
Volume change [%]	**5**	10

* Triallylisocyanurate

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