

Diesel fuel compatibility with AFLAS®



Test method Soaked into the fluid at 40°C for 168 hours.
Test fluid Diesel fuel
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
Tensile strength [MPa]	21.0
Tensile Elongation [%]	198
Hardness [shore-A]	75

Diesel fuel compatibility 40 °C for 168 hours	AFLAS® 100S
Change of Tensile Strength [%]	-25
Change of Tensile Elongation [%]	+4
Change in Hardness [points]	-13
Volume change [%]	13.6

* Triallylisocyanurate

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