

Ethanol compatibility with AFLAS®



Test method Soaked in 100% industrial ethanol at 50°C for 168 hours
Test fluid 100% industrial ethanol
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
Tensile strength [MPa]	17.0
Tensile Elongation [%]	280
Hardness [shore-A]	70

100% industrial ethanol compatibility 50 °C for 168 hours	AFLAS® 150P
Change of Tensile strength [%]	-13
Change of Tensile Elongation [%]	-4
Change in Hardness [points]	-7
Volume change [%]	2.3

* Triallylisocyanurate

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