

## Turbine Oil (Aeroshell 560) compatibility with AFLAS®



**Test method** Soaked into the fluid at 175°C for 100 hours  
**Test fluid** Turbine Oil (Aeroshell 560)  
**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]	18.1
Tensile Elongation [%]	274
Hardness [shore-A]	73

Turbine Oil 560 compatibility 175 °C for 100 hours	AFLAS® 100S
Change of Tensile Strength [%]	16
Change of Tensile Elongation [%]	0
Change in Hardness [points]	-3
Volume change [%]	7

\* Triallylisocyanurate

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