

# Heavy Oil C (100%) compatibility with AFLAS®



**Test method** Soaked into the fluid at 140°C for 72 hours.  
**Test fluid** Heavy Oil C (100%)  
**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]	20
Tensile Elongation [%]	230
Hardness [shore-A]	72

Heavy Oil C (100%) compatibility 140°C for 72 hours	AFLAS® 100S
Change of Tensile Strength [%]	-15
Change of Tensile Elongation [%]	-8
Change in Hardness [points]	-8
Volume change [%]	8

\* Triallylisocyanurate

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