

Silicone oil compatibility with AFLAS®



Test method Soaked into the fluid at 175°C for 168h.
Test fluid Silicone oil
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]	21
Tensile Elongation [%]	257
Hardness [shore-A]	70

Silicone oil compatibility 175 °C for 168 hours	AFLAS® 150P
Change of Tensile Strength [%]	-8.6
Change of Tensile Elongation [%]	-8.6
Change in Hardness [points]	-2
Volume change [%]	2.3

* Triallylisocyanurate

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