

ASTM No.3 Oil compatibility with AFLAS®



Test method Soaked in ASTM No.3 oil at 150°C for 168 hours
Test fluid ASTM No. 3 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]	17.0
Tensile Elongation [%]	280
Hardness [shore-A]	70

ASTM No.3 Oil compatibility 150 °C for 168 hours	AFLAS® 150P
Change of Tensile strength [%]	-5
Change of Tensile Elongation [%]	6
Change in Hardness [points]	-9
Volume change [%]	14.1

* Triallylisocyanurate

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