BDF compatibility with AFLAS®

Test method Soaked into the fluid at 40℃ for 168h & 720h.

Test fluid BDF (Bio Diesel Fuel)

Test piece AFLAS® 200P (standard formulation)

Formulation

AFLAS® 200P	100
MT-Carbon(N990)	25
TAIC*	5
Perkadox® 14**	1
MgO (highly active)	3
Sodium Stearate	1

(phr)

Cure Conditions Press molded at 170C for 20min
Post cured at 200C for 4h

Properties (before test)	AFLAS® 200P
Tensile strength [MPa]	16
Tensile Elongation [%]	260
Hardness [shore-A]	66

BDF compatibility 40 ℃ for 168 hours	AFLAS® 200P
Chang of Tensile Strength [%]	**-6**
Change of Tensile Elongation [%]	**5**
Change in Hardness [points]	**-4**
Volume change [%]	**4.1**

BDF compatibility 40 ℃ for 720 hours	AFLAS® 200P
Chang of Tensile Strength [%]	**-13**
Change of Tensile Elongation [%]	**-6**
Change in Hardness [points]	**-9**
Volume change [%]	**7.2**

* Triallylisocyanurate

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