

1,6-Hexanediol compatibility with AFLAS®



Test method Soaked into 1,6-Hexanediol 50% by volume at 150C for 168 hours.
Test fluid 1,6-Hexanediol 50% by volume
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
100% Modulus [MPa]	5.0
Tensile Elongation [%]	280
Hardness [shore-A]	70

1,6-Hexanediol 50% by volume compatibility 150 °C for 168 hours	AFLAS® 150P
Change of Tensile strength [%]	-4
Change of Tensile Elongation [%]	8
Change in Hardness [points]	-1
Volume change [%]	5.9

* Triallylisocyanurate

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