

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® 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
100% Modulus [MPa]	7.0
Tensile Elongation [%]	230
Hardness [shore-A]	72

1,6-Hexanediol 50% by volume compatibility 150 °C for 168 hours	AFLAS® 100S
Change of Tensile strength [%]	2
Change of Tensile Elongation [%]	-6
Change in Hardness [points]	-1
Volume change [%]	5.4

* Triallylisocyanurate

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