

Hot water compatibility with AFLAS®



Test method Soaked into the fluid at 180°C for 168h & 720h.
Test fluid Hot water
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 230 °C for 24h

Properties (before test)	AFLAS® 200P
Tensile strength [MPa]	16.1
Tensile Elongation [%]	260
Hardness [shore-A]	66

Hot water compatibility 180 °C for 168 hours	AFLAS® 200P
Change of Tensile Strength [%]	-73
Change of Tensile Elongation [%]	-53
Change in Hardness [points]	-15
Volume change [%]	107.1

Hot water compatibility 180 °C for 720 hours	AFLAS® 200P
Change of Tensile Strength [%]	-77
Change of Tensile Elongation [%]	-46
Change in Hardness [points]	-22
Volume change [%]	67.5

AFLAS 200P is not recommended for Steam use. AFLAS 150P or 100S are recommended instead.

* Triallylisocyanurate

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