

AGC's fluoro solvent "AE-3000" compatibility with AFLAS®



Test method Soaked into AE-3000 at 60C for 2160 and 4320 hours.
Test fluid AE-3000
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]	16.7
100% Modulus [MPa]	6.0
Tensile Elongation [%]	278
Hardness [shore-A]	72

AE-3000 compatibility 60 °C for 2160 hours	AFLAS® 150P
Change of Tensile strength [%]	-52
Change of 100% Modulus [%]	-50
Change of Tensile Elongation [%]	-30
Change in Hardness [points]	-31
Volume change [%]	38

AE-3000 compatibility 60 °C for 4320 hours	AFLAS® 150P
Change of Tensile strength [%]	-48
Change of 100% Modulus [%]	-54
Change of Tensile Elongation [%]	-24
Change in Hardness [points]	-31
Volume change [%]	36

* Triallylisocyanurate

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

NOTE: The data listed here represents typical values. This information should be used as a guide only and not to establish specification limits or design criteria. AGC Chemicals Americas assumes no obligation or liability for any advice furnished by us or for results obtained with respect to this product. All such advice is provided free of charge and the buyer assumes sole responsibility for results obtained in reliance thereon.