PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.

Seal Compatibility with EcoSafe™ FR-46

Elastomer	Micro-hardness ASTM D1415-05	Micro-hardness, IRHD change 250 hrs in EcoSafe FR-46	Volume Change, % 250 hrs in EcoSafe FR-46	Micro-hardness, IRHD change 500 hrs in EcoSafe FR-46	Volume Change, % 500 hrs in EcoSafe FR-46	Micro-hardness, IRHD change 750 hrs in EcoSafe FR-46	Volume Change, % 750 hrs in EcoSafe FR-46	Micro-hardness, IRHD change 1000 hrs in EcoSafe FR-46	Volume Change, % 1000 hrs in EcoSafe FR-46
Viton wiper	86	-1	+0.1	-1	+0.3	-1	+0.09	-1	+0.3
Viton O-ring	77					-6	+0.4	-6	+0.4
BTFE with Viton exposure	67					+1	+0.4	0	+0.6
O-viton fab	96	-10	+1.5	-2	+1.4	0	+0.9	-6	+0.9
Viton O-ring	86					-1	+0.5		
Nitrile	79					-1	+1.4	-3	+1.6
Carboxylated Nitrile	68					+8	-5.6	+9	-5.5
Valqua-NBR	90					+2	-2.4	+2	-2.3
Nickel Teflon	71								
Carbon Filled Teflon Flex Seal	99	-4	+2.4	0	+1.8	0	+1.9	0	+1.8
Fab&Rubber "V" Ring	94					-5	+2.9	-10	+3.2
Buna-N O-Ring	69					+6	-7.5	+6	-7.6
Urethane (Hallite)	91	-1	+7.0	-3	+8.2	-2	+8.3	-2	+8.4
R PolyPack Urethane	92	+11	-3.3	-1	+4.0	-2	+4.1	-1	+4.3
PH-EcoPur Urethane	93	-2	+2.3	-1	+2.9	-1	+3.2	-1	+3.2
Devlon/PA612 KEST5KH Nylon @100C	74	+10.8	-1.87	+12.2	-1.57	+12.2	-1.70	+12.2	-1.52
N-TFE	99	-1	+1.2	-1	+0.8	0	+1.2	0	+0.8
Q Polyester Resin Fab	99	0	+0.2	0	+0.07	0	-0.01	+1	-0.04
R PolyPack Ring	73	0	+3.0	+2	-2.9	+1	-2.4	+3	-4.0

- Immersion conditions: Samples immersed at 150°F for the given duration of time