# PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.

# Seal Compatibility with EcoSafe™ EHC-46

| Elastomer | Micro-hardness ASTM D1415-05 | Micro-hardness, IRHD change 250 hrs in EcoSafe EHC-46 | Volume Change, % 250 hrs in EcoSafe EHC-46 | Micro-hardness, IRHD change 500 hrs in EcoSafe EHC-46 | Volume Change, % 500 hrs in EcoSafe EHC-46 | Micro-hardness, IRHD change 750 hrs in EcoSafe EHC-46 | Volume Change, % 750 hrs in EcoSafe EHC-46 | Micro-hardness, IRHD change 1000 hrs in EcoSafe EHC-46 | Volume Change, % 1000 hrs in EcoSafe EHC-46 |
|---|---|---|---|---|---|---|---|---|---|
| Carbon Filled Teflon Flex Seal | 99 | -4 | +2.4 | 0 | +1.8 | 0 | +1.9 | 0 | +1.8 |
| Viton O-ring | 77 | | | | | -6 | +0.4 | -6 | +0.4 |
| BTFE with viton exposure | 67 | | | | | +1 | +0.4 | 0 | +0.6 |
| 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 | | | | | | | | |
| Fab&Rubber "V" Ring | 94 | | | | | -5 | +2.9 | -10 | +3.2 |
| Buna-N O-Ring | 69 | | | | | +6 | -7.5 | +6 | -7.6 |
| Viton wiper | 86 | -1 | +0.1 | -1 | +0.3 | -1 | +0.09 | -1 | +0.3 |
| Glass TFE with viton o-ring | 91 | | | | | | | | |
| Viton O-ring | 86 | | | | | -1 | +0.5 | | |
| Urethane (Hallite) | 91 | -1 | +7.0 | -3 | +8.2 | -2 | +8.3 | -2 | +8.4 |
| N-TFE | 99 | -1 | +1.2 | -1 | +0.8 | 0 | +1.2 | 0 | +0.8 |
| O-viton fab | 96 | -10 | +1.5 | -2 | +1.4 | 0 | +0.9 | -6 | +0.9 |
| PH-EcoPur Urethane | 93 | -2 | +2.3 | -1 | +2.9 | -1 | +3.2 | -1 | +3.2 |
| 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 |
| R PolyPack Urethane | 92 | +11 | -3.3 | -1 | +4.0 | -2 | +4.1 | -1 | +4.3 |

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

4/28/2009