Effects of sterilization and 1-, 3- and 5-year real-time aging on material tensile strength (MD) for 1059B

Transition Protocol material performance is equivalent to, or better than, Legacy Tyvek®.
Effects of sterilization and 1-, 3- and 5-year real-time aging on material tensile strength (CD) for 1059B

Transition Protocol material performance is equivalent to, or better than, Legacy Tyvek®.
Effects of sterilization and 1-, 3- and 5-year real-time aging on material elongation (MD) for 1059B
Effects of sterilization and 1-, 3- and 5-year real-time aging on material elongation (CD) for 1059B

Pre-sterilization

Vapor hydrogen peroxide

Ethylene oxide (EO)

STERRAD® 100S

Steam

Electron-beam @ 100 kGy

Electron-beam @ 50 kGy

Electron-beam @ 25 kGy

Gamma @ 50 kGy

Gamma @ 100 kGy

Gamma @ 25 kGy

ASTM D5034
Control = Legacy Tyvek® 1059B
Center point = 0%
Outer point = 30%
CD = cross direction

Transition Protocol material performance is equivalent to, or better than, Legacy Tyvek®.
Effects of sterilization and 1-, 3- and 5-year real-time aging on material puncture strength for 1059B

Transition Protocol material performance is equivalent to, or better than, Legacy Tyvek®.