Effect of Low-Temperature Oxidative Sterilization on Hydrostatic Head and Surface Energy — Transition Protocol Material vs. Current Tyvek®

Property	Comparable Test Method(s)	Units	Current Tyvek® 1073B	1073B Transition Protocol Material	Current Tyvek® 1059B	1059B Transition Protocol Material
Hydrostatic Head	AATCC TM 127 EN 20811*	in. H_20				
• pre-sterilization			58	63	57	62
• after STERRAD® 100S sterilization			32	33	24	27
• after vapor hydrogen peroxide sterilization			63	65	58	64
Surface Energy—Contact Angle, Rough Side	ASTM D5946	degrees				
• pre-sterilization			98	97	95	96
• after STERRAD® 100S sterilization			81	68	74	62
• after vapor hydrogen peroxide sterilization			95	96	94	93
Surface Energy—Contact Angle, Smooth Side	ASTM D5946	degrees				
• pre-sterilization			90	94	95	93
• after STERRAD® 100S sterilization			64	61	66	59
• after vapor hydrogen peroxide sterilization			93	94	88	91

* Rate of use: 60 cm H_20/min