



Fabric Description

Quilted Composite Durable Water resistant finish on exterior layer of jersey knit with Nomex® Nano Flex particulate barrier between the inside layer of jersey knit.

FABRIC PERFORMANCE VALUES	REQUIREMENTS NFPA 1971 2018 EDITION		TEST RESULTS
PARTICULATE EFFICIENCY	≥ 90%		96%
THERMAL PROTECTIVE PERFORMANCE (TPP) <ul style="list-style-type: none"> Rib Knit – Initial (seconds) Rib Knit – After 5 washings (seconds) Quilted Composite – Initial (seconds) Quilted Composite – Initial (seconds) 	20.0 Min. 20.0 Min.	As Received After 5 Washings As Received After 5 Washings	30.2 33.1 29.3 30.8
TOTAL HEAT LOSS (THL)	≥ 325 (W / m ²)		401.3 (W / m ²)
HOOD MATERIAL BURST STRENGTH	>225 N		614 N
FLAME RESISTANCE TEST – QUILTED COMPOSITE <ul style="list-style-type: none"> After Flame (wales x courses) Char Length (wales x courses) 	≤ 2.0 seconds ≤ 100 mm	As Received After 5 Washings As Received After 5 Washings	0.0 sec x 1.0 sec 1.0 sec x 1.0 sec 18mm x 17mm 3mm x 2mm
CLEANING SHRINKAGE RESISTANCE TEST <ul style="list-style-type: none"> Hood Measurement Face Opening Measurement 	≥ -5% Meets Requirement	After 5 Washings After 5 Washings	-0.7% YES
HEAT AND THERMAL SHRINKAGE RESISTANCE TEST <ul style="list-style-type: none"> Hood Measurement Face Opening Measurement 	≥ -10.0% Meets Requirement	As Received After 5 Washings As Received After 5 Washings	0% 0% YES YES
SEAM BREAKING STRENGTH TEST	>181 N		1064 N
MELT OR DRIP WHEN EXPOSED TO FLAME	No Melting or Dripping		NONE

UL Classified to meet or exceed the current hood requirements of NFPA 1971 Standard on Protective Ensemble for Structural Firefighting – 2018 Edition. EN 13911:2017 Certification Pending.

