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Showa-Best Glove, Inc.

ANSI 105 Conductive Heat Rating of ATLAS Therma-Fit® 451 Glove

July 30, 2012

Showa Best Research & Development Laboratories conducted ASTM F1060 Standard Test Method for Thermal Protective Performance of Materials for Protective Clothing for Hot Surface Contact with ATLAS Therma-Fit® 451 gloves. The Conductive Heat Resistance is an ASTM test the same as Cut Resistance, Chemical Resistance and others are.

ANSI 105 applies ratings based on the performance of gloves in either ASTM, EN or ISO Standards.

You asked about 350°F which would be and ANSI Conductive Heat Resistance Level 3:

The test measures to see if you will get pain or a second degree burn from contact heat within 15 seconds contact of the 60 second test:

ANSI Level	Temperature (F)
0	< 176°F
1	176°F
2	284°F
3	392°F
4	500°F
5	608°F

The glove did not get anywhere close to pain or second degree burn in the 60 second time period of the test at 392°F.

ATLAS Therma-Fit® 451 glove is heat rated to at least an ANSI Conductive Heat Resistance Level 3.

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