Innovations Technology Center (ITC Lab)

MCR Safety Innovations Technology Center
685 Highway 72, Piperton, TN 38017

In July of 2016, the MCR Safety's Innovations Technology Center had the pleasure of becoming one of the first North American testing labs to receive the ISO/IEC 17025 accreditation under the ANSI/ISEA 105 scope.

ISO/IEC 17025:2005 is the single most important standard for testing laboratories around the world.

Laboratories accredited to this international standard have demonstrated they are technically competent and able to produce precise and accurate test and/or calibration data.

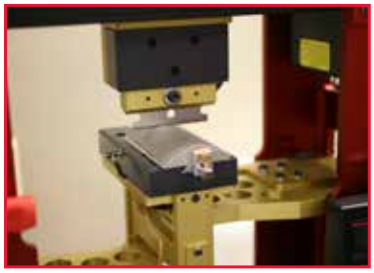
MCR Safety's Innovations Technology Center (ITC) began operation in 2010. The three objectives at the forefront of the ITC lab development were:

1. Increase our ability to monitor the quality of incoming products produced at our factories.
2. Utilize the in-house testing laboratory, to increase Research & Development of new products and technologies.
3. Ensure that in-market comparisons between MCR Safety products and competitor products are viable. In other words, we want to ensure we are comparing apples-to-apples, and not apples-to-oranges.

*All testing performed for MCR Safety distributors is done free of charge.

Accreditation includes the following tests:

Cut Resistance Testing

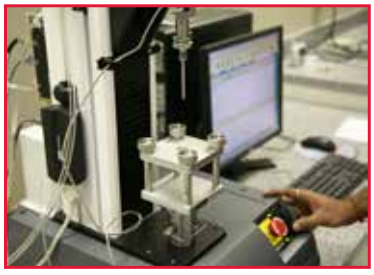


Test Method ASTM F2992

Abrasion Resistance Testing

Test Method
ASTM D2289-10 *Coated Gloves*
ASTM D3884-09 *Uncoated Gloves*

Puncture Resistance Testing



Test Method EN 388-16

Cut Resistance Testing			
Grams To Cut		CUT A5	2,200 to 2,999 Medium to Heavy Cut Hazards
CUT A1	200-499 Not Recommended for Cut	CUT A6	3,000 to 3,999 Heavy Cut Hazards
CUT A2	500-999 Light Cut Hazards	CUT A7	4,000 to 4,999 High Cut Hazards
CUT A3	1,000-1,499 Light to Medium Cut Hazards	CUT A8	5,000 to 5,999 Very High Cut Hazards
CUT A4	1,500-2,199 Medium Cut Hazards	CUT A9	6,000+ Extreme Cut Hazards

Abrasion Resistance Testing			
500 Gram Load		1000 Gram Load	
Revolutions To Failure		Revolutions To Failure	
ABR 1	100-499	ABR 4	3000-9999
ABR 2	500-999	ABR 5	10000-19999
ABR 3	1000-2999	ABR 6	20000+

Puncture Resistance Testing			
Measured by Newtons			
Newtons to Puncture		PUN 3	60-99
PUN 1	10-19	PUN 4	100-149
PUN 2	20-59	PUN 5	150+

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