





ANSI/ISEA CLASSIFICATIONS

PUNCTURE RESISTANCE

LEVEL		PUNCTURE RESISTANCE (NEWTONS)	APPLICATIONS	EXAMPLES
Light	ANSI 1 PUNC	10-19	Paper/Cardboard Cuts, Light Material Handling, Parts Assembly	
Light-Medium	ANSI 2 PUNC	20-59	Light Construction, Material Handling, Parts Assembly, Packaging	 TACTYLE™ #6670
Medium	ANSI 3 PUNC	60-99	Construction, Light Metal Stamping, Light Glass Handling, Manufacturing	 COMMANDER™ #3732
Medium-Heavy	ANSI 4 PUNC	100-149	Construction, Metal Stamping, Glass Handling, Recycling, Injection Molding	 MACHINIST™ Sandy Nitrile #3734TPR
Heavy	ANSI 5 PUNC	150+	Oil & Gas, Mining, Heavy Duty Construction, Demolition, Manufacturing, Metal Fabrication	 ION™ #3702

Puncture Resistance (ANSI/ISEA 105): Puncture resistance is determined by the max force that it takes, exerted from a probe, to puncture the fabric.

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IMPACT PROTECTION

This standard specifically focuses on the back of the hand by measuring the dissipating impact from the knuckles and fingers.

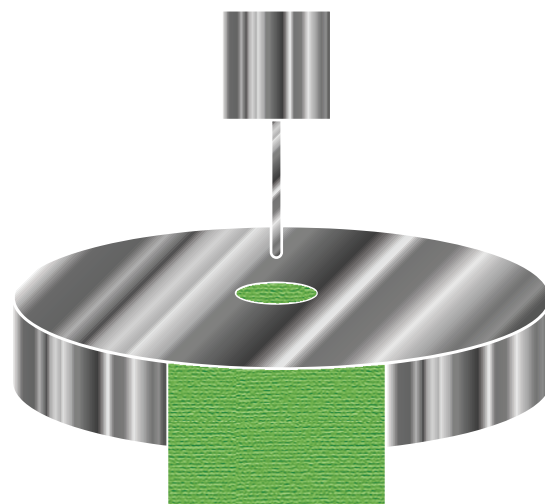


Fig 3. Testing for Puncture Resistance with a Probe

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