## **STANDARD** EN 388:2016

European Standard for Protective Gloves Against Mechanical Risks



## ABRASION RESISTANT

≥ **100** Cycles

≥ **500** Cycles

≥ **2000** Cycles

≥ **8000** Cycles

LIGHT

MEDIUM

**MEDIUM - HEAVY** 

DX

EN 388

1

EN 388

EN 388

3

EN 388

## EN 388:2016 establishes performance levels, testing and classification for fabric or layers of fabric for their ability to resist abrasion.

The standard test use a Martindale Abrasion Tester to measure the number of cycles required to abrade through the sample glove over 180 grit abrasive material. The glove material, cut from the palm, is fitted to a rubbing head of fixed size and weight. This head is then moved in an elliptical motion over a table covered with abrasive material until a hole appears. Each rotation across the surface is considered a cycle. The total number of cycles completed before a hole is present creates the rating. These results are represented by levels 1 to 4, with 4 being the highest level of abrasion resistance. If a glove is made up of multiple unbonded layers, each layer is subjected to the test, and the level is based on the lowest individual result of the most resistant material.

				(4)	HEAVY
	Martindale Abrasion Tester Using 180 grit abrasion material.		Glove Material Sample Sample taken from glove palm and secured to a rubbing head of a fixed size and weight.	EN 388:2016 ABRASION TEST METHOD: Based on the number of cycles required to abrade through a sample glove when rotating a flat cylindrical surface over 180 grit abrasive material. Abrasion Resistance 0-4 Rating - Cut (Coup Test) 0-5 Rating Tear Resistance 0-4 Rating -	
	Rubbing Head The rubbing head is then moved in an elliptical motion over a table covered with 180 grit abrasive material.	63	<b>Cycles</b> Each rotation across the surface is considered a cycle. The total number of cycles completed before a hole appears in the material creates the rating.	<b>Evar</b> Resistance <b>Puncture</b> Resista <b>Cut (TDM Cut Te</b> <b>Impact</b> Protectio	0-4 Rating tance 0-4 Rating est) A-F Rating on P/F/X Pass/Fall/X=NotTested Abrasion Resistant Gloves Test results are represented by levels 1 to 4, as depicted on the gloves. Level 4 is the highest

When a glove is comprised of multiple unbonded layers, each layer is subjected to the test. The level is based on the lowest individual result of the most resistant material





For the latest safety standards, classifications, testing criteria and ratings information, please refer to the appropriate governing body or association. Information contained in this document is subject to change without notice. As BDG® cannot control or anticipate the conditions under which a product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, Bob Dale Gloves and Imports Ltd., and/or its affiliates ees or representatives will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this sheet. No exp implied warranties are given other than those implied mandatory by law. BDG® products are not cut and puncture proof. Do not use with moving blades, tools or serrated blades

BOBDALEGLOVES.COM

level of protection.