

## CANADIAN ARMOUR LTD., CANARMOR.

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RICHMOND HILL  
CANADA

### TECHNICAL REPORT

**Report No.:** IN-01170/2020-3  
**Total pages:** 4

#### PRESENTED SAMPLE

##### Sample description:

According to the information provided by the applicant:

**Product description: Double lock  
hinged model handcuffs**  
**Reference: 3030 double lock hinged  
model handcuffs**



**Date of entry:** July 13<sup>th</sup>, 2020

#### REQUESTED TESTS

- DETERMINATION OF TENSILE STRENGTH.

*This is a copy of report IN-01170/2020-1, issued by LEITAT on August 06<sup>th</sup>, 2020. Report reissued according to the request of the original owner AKAR GERMANY - ZEKI CALISIR.*



**STA Technical Responsible – Materials Area**  
Albert Briz



**STA Laboratory Manager**  
Jordi Jamilena

Terrassa, October 30<sup>th</sup>, 2020

## DETERMINATION OF TENSILE STRENGTH.

**According to:** Conditions specified by the applicant.

**Scope:** The purpose of this test is to determine the tensile strength of the handcuffs presented by the applicant.

**Test equipment:** Universal testing machine, ZWICK, no.EQ767  
Load cell, ZWICK, 10kN (Class 0,5)

**Pre-conditioning of the capsules:** Not required.

**Test conditions:**

Identification of test material: *According to the information provided by the applicant*

- *Product description: Double lock hinged model handcuffs*  
*Reference: 3030 double lock hinged model handcuffs*

Test atmosphere: 23°C ± 2°C and 50% h.r. ± 5% h.r.

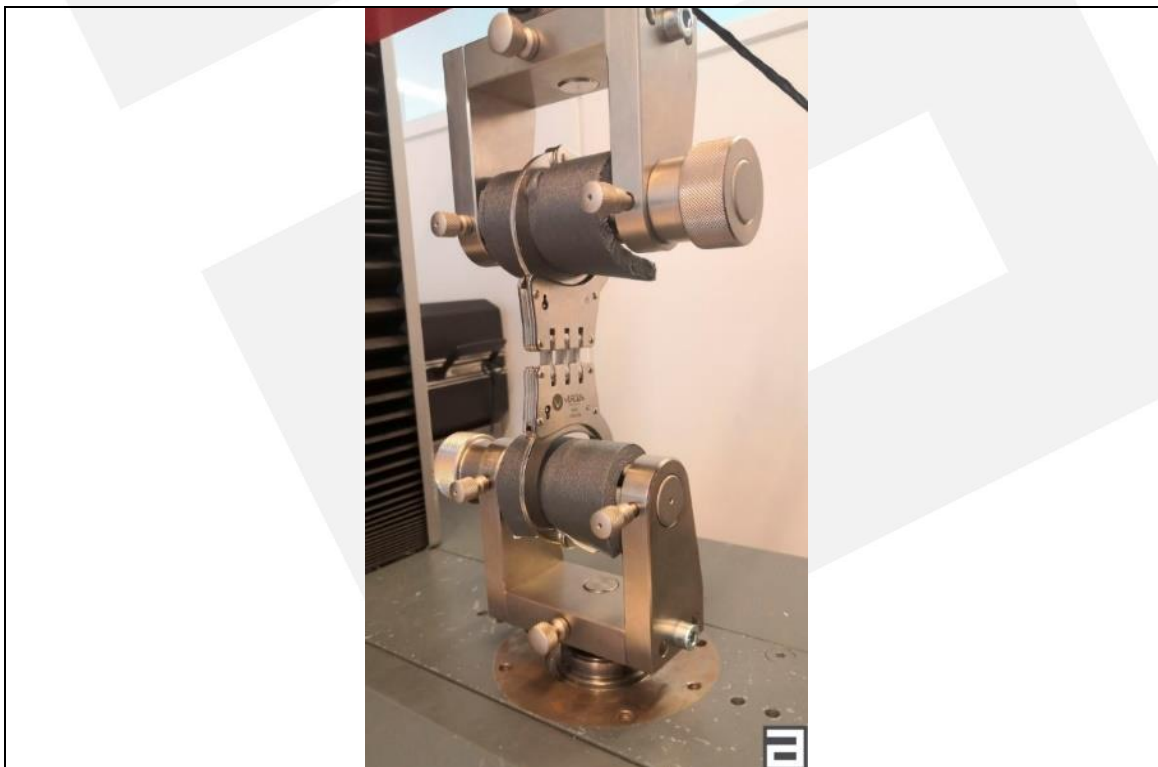
Number of samples tested: 5

Test parameters:






- Pre-load: 0,2 kg
- Pre-load speed: 50 mm/min.
- Test speed: 50 mm/min.

Date of performance: July 30<sup>th</sup>, 2020

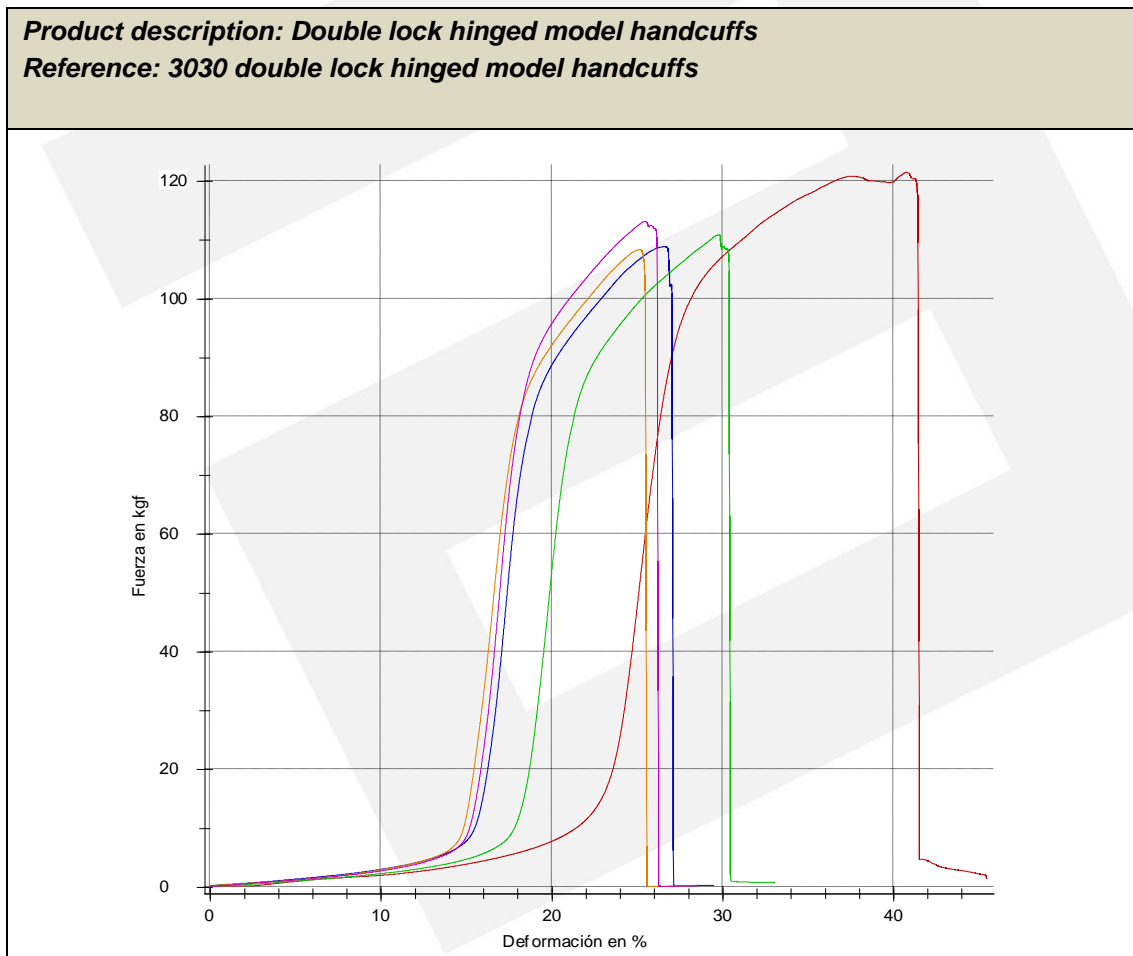
**Test set up:**



**Results:**

<b>Product description: Double lock chain model handcuffs</b>			
<b>Reference: 3020 double lock chain model handcuffs</b>			
<b>Sample no.</b>		<b>Maximum Load (kg)</b>	<b>Failure</b>
#1		122	Deformation and opening of the handcuffs
#2		111	Deformation and opening of the handcuffs
#3		109	Deformation and opening of the handcuffs
#4		108	Deformation and opening of the handcuffs
#5		113	Deformation and opening of the handcuffs
<b>Mean value</b>		<b>113</b>	
S.D.		5	
C.V.		5	

**Graph:**



Pictures during the test:

