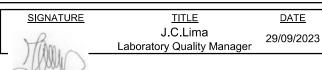


Production Part Approval Performance Test Results

ORGANIZATION: VELCRO EUROPE S.A				PART NUMBER: 173639-N_D / E01002033019925				
				PART NAME: VELCRO® brand LOOP FRT 20mm C/Black 330				
				DESIGN RECORD CHANGE LEVEL: 1				
			ENGINEER	ING CHANGE DOCUMENTS:				
*If source approval is req'd, include the Supplier (Source) & Custo	SPECIFICATION / TEST		QTY.	SUPPLIER TEST RESULTS	<u> </u>	, NOT		
TEST SPECIFICATION / REV / DATE	LIMITS	DATE	TESTED	(DATA)/ TEST CONDITIONS	OK	ok		
PEEL STRENGTH / N/cm	≥ 1,3	29/09/2023	5	1,78 - 1,84 - 1,87 - 1,92 - 1,95	х			
TEST METHOD: EN 12242								
SHEAR STRENGTH / N/cm²	≥ 7,3	29/09/2023	5	9,4 - 9,8 - 10,3 - 10,5 -11,4	×			
TEST METHOD: EN 13780	·							
FLAMMABILITY	≤ 100	29/09/2023	5	SE - SE - SE - SE	 			
TEST METHOD: FMVSS 302	≥ 100	29/09/2023	3	3E-3E-3E-3E-3E	Х			
TEST METHOD. I MVGG 602								
FLAMMABILITY	≤ 100	29/09/2023	5	SE - SE - SE - SE	х			
TEST METHOD: TL1010								
PEEL CYCLE LIFE after 5000 c / N/cm	50% loss / ≥ 0,65	29/09/2023	5	0,79 - 0,85 - 0,88 - 0,92 - 0,95	Х			
TEST METHOD: DIN EN 1414	007010007 = 0,00	20/00/2020		0,70 0,00 0,00 0,02 0,00	 ^			
PEEL CYCLE LIFE after 5000 c / N/cm2	50% loss / ≥ 3,75	29/09/2023	5	3,99 - 4,03 - 4,09 - 4,18 - 4,33	Х			
TEST METHOD: DIN EN 1414								
BREAKING STRENGTH / N/cm	≥ 210	29/09/2023	5	235 - 248 - 256 - 261 - 270	X			
TEST METHOD: EN ISO 13934		29/09/2023	 	255 - 240 - 250 - 201 - 270	<u> </u>			
						-		
						\vdash		
	<u> </u>		1	<u> </u>		Ь		

Blanket statements of conformance are unacceptable for any test results.



Test report for annual burning behaviour

Test method: TL1010 / FMVSS-302

Supplier: Velcro Europe S.A:

Carretera Mataró-Granollers, km 5.8

E-08310 Argentona, Spain





Material:

iviateriai.			
Type of material	VELCRO® Brand Hook FRT 20mm C/Black 3 R.25 M		
Velcro Part number / Batch Number	E05802033019925	7011842860	
Colour	Black 330		
Indication whether composite material	PA		
Batch number / production date	7011842860	19/12/2022	

Sample:

Dimension	length	356 mm
Differsion	width	20 mm
Thickness (min./max.)		1.70 - 2.05 mm

Test condition:

Standard atmosphere for testing	Relative humidity %	55	
Standard atmosphere for testing	Temperature °C 21		
Storage conditions of testing samples before			
examimation (hours)	72h		
Gas burner	Bunsen (FMVSS-302)		
Used gas	Natural Gas		
Gas flame (mm)	38	mm	
Gas heating power (MJ/m3)	OK		
Flue gas circulation (m/s) - 100mm before			
defined position	OK		
Flue gas circulation (m/s) - 100mm after			
defined position	ОК		
Time of flame application (s)	15		

Used measurement (ID number/validity)	302572 25/1/23			
Used stopwatch (ID number/validity)	302715 (May 2023)			

Testing result:

	warp				weft			
Sample No.	Time	Burning distance	Values found	Values & letters found	Time	Burned distance	Values found	Values & letters found
1	0,00	0,00	0,00	SE	N/A	N/A		N/A
2	0,00	0,00	0,00	SE	N/A	N/A		N/A
3	0,00	0,00	0,00	SE	N/A	N/A		N/A
4	0,00	0,00	0,00	SE	N/A	N/A		N/A
5	0,00	0,00	0,00	SE	N/A	N/A		N/A

Test Date: 12/01/2023 Issued by: Juan Carlos Lima Signature:

Condition deviating from this standard:

Special features of the test (e.g. Test with supporting wires):

No

Test with Supporting Wires

Preparation of the mechanical abrasion acc. to section 6.2 para 3:

yes:

no:



We certify that the result inside this report are correct and complete and that details correspond to the requisities.

This test report shows that the material conforms to all applicable requirements of MVSS.

Qualification:

NB No Burning SE Self-extinguishing

SE/NBR Self-extinguishing/no burning rate SE/BR Self-extinguishing/burning rate

BR Burning rate