



Testing laboratory
physical-mechanical and chemical-analytical tests
of elastomer composites
materials and products made from KYIVGUMA LLC



20555
Trial

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APPROVE

Head of the testing department
laboratories of KIEVGUMA LLC


"03"  2026

Volodymyr STRASHENKO

2026

TECHNICAL REPORT №117

Subject: Rubber fabric backing oilcloth for compliance with the requirements
of GOST 3251-91 "Rubber Fabric Backing Oilcloth"

from 09 February 2026

Conditions of the Testing Laboratory:

This report may not be reproduced, either in part or in full, without the permission of the Testing Laboratory of KIEVGUMA LLC.

The results presented in this report pertain solely to the samples provided for analysis and tested by the testing laboratory. The information is provided for reference purposes only.

If the normative document (hereinafter referred to as ND) related to the product submitted for testing does not contain a decision rule for determining conformity of samples, the testing laboratory, upon the client's request, conducts an assessment of conformity of indicators to the ND requirements, taking into account the measurement uncertainty and applying the following conformity decision rule:

If the uncertainty interval for the measurement result lies entirely within the range of acceptable values, conformity to the requirements can be guaranteed (conclusion: complies with the specified requirements);

If the uncertainty interval for the measurement result lies entirely within the range of unacceptable values, non-conformity to the requirements can be guaranteed (conclusion: does not comply with the specified requirements);

If the uncertainty interval for the measurement result includes the limit value, the conformity assessment does not allow for a definitive conclusion that the characteristic either complies or does not comply with the specified requirements (conclusion: result is inconclusive).

In this case, the probability of conformity is calculated assuming a normal distribution of the random variable. In the Testing Laboratory, it is generally accepted that the expanded measurement uncertainty (U) and the confidence level of 95% (coverage factor $k = 2$) are considered acceptable.

Please note that if the measurement uncertainty was not included, then it was not applied to these results. However, the measurement uncertainty is available upon request.

1. TEST OBJECT

Samples of rubberized fabric backing oilcloth, type A — manufactured based on cotton fabric (hereinafter referred to as “oilcloth”) according to the sampling and identification report dated February 03. 2026.

2. MANUFACTURER

KIEVGUMA LLC

Address: 127 Oleha Onykienka (Kutuzova) St., Brovary, Kyiv Region, 07403, Ukraine

3. APPLICANT

KIEVGUMA LLC

Address: 127 Oleha Onykienka (Kutuzova) St., Brovary, Kyiv Region, 07403, Ukraine

4. PURPOSE OF TESTING

Verification of compliance of rubberized fabric backing oilcloth samples with the requirements of GOST 3251-91 “Rubberized Fabric Backing Oilcloth. Specifications”.

5. PLACE AND DATE OF TESTING

Testing Laboratory of Physical-Mechanical and Chemical-Analytical Testing of Elastomer Composite Materials and Products Made Thereof, KIEVGUMA LLC

03.02.2026-04.02.2026

6. TESTING EQUIPMENT — listed in Table 1, owned by KIEVGUMA LLC

Table 1

Name of testing equipment	Type, model, designation	Serial number	Next calibration date
1	2	3	4
Thickness gauge	TH-10	9101	11.2027
Metal measuring ruler	ДСТУ ГОСТ 427	11	11.2027
Tensile testing machine	ZMGI-250	41/75	09.2027
Device for determining oilcloth stiffness and elasticity	ПЖУ –12М	709	12.2026
Laboratory balance	WAA-210	138832	10.2026
Triangular prismatic rod	ГОСТ 3251	1	04.2027
Roller for oilcloth tackiness testing	ГОСТ 3251	б/н	04.2027
Device for determining oilcloth water permeability	ГОСТ 413	1	12.2026
Steam sterilizer	СП ВК-75	54810404	10.2027
Stopwatch	СОПп-2а-2-010	6332	02.2027
Volumetric glassware	-	-	Verified upon release
Aspirated psychrometer	M-34	12055	01.2027

7. TEST CONDITIONS

Environmental conditions: temperature 22 °C, humidity 61%.

8. TEST METHODS

GOST 3251-91

9. TEST RESULTS

Presented in Table 2.

10. CONCLUSION

Samples of rubber fabric backing oilcloth comply with the requirements of GOST 3251-91.

Responsible executors:

Laboratory Engineer, PMI Sector
Testing Laboratory of KIEVGUMA LLC
Laboratory Engineer, CAI Sector
Testing Laboratory of KIEVGUMA LLC

N. L. Martyniuk

S. E. Rozovyk

Table 2

TEST RESULTS

ГОСТ 3251-91		Requirements	Results	Compliance
RD clause number (requirements / methods)	Indicator name and unit			
1	2	3	4	5
1.2.2/3.2	Oilcloth dimensions: Width, m	not less than 0.75	not less than 0.85	Complies.
1.3.1/ 3.3 3.4 3.5	Physical and mechanical properties of oilcloth type A: 1. Breaking load on oilcloth strip 50×200 mm, kgf:- — warp — weft 2. Stiffness, gs 3. Mass per 1 m ² , kg	not less than 30 not less than 19 not more than 5 not more than 0.65	38,4 19,1 not more than 3,99 not more than 0.649	Complies.
1.3.2/3.6 3.7 3.8	Elasticity, tackiness, waterproofness	The oilcloth must be elastic, non-tacky and waterproof	The oilcloth is elastic and waterproof. Tackiness absent	Complies.
1.3.3/ 3.10 3.11	Resistance to repeated disinfection with 1% chloramine solution and repeated steam sterilization with preliminary pre-sterilization cleaning	After testing, the oilcloth must be elastic and non-tacky	Requirements met. After disinfection and sterilization the oilcloth is elastic and non-tacky	Complies.
1.3.4/3.2 1.3.5/3.2	Appearance indicators: Color Surface	Any light tone Must be smooth, without folds, bare spots and roughness, mechanical damage, holes, contamination, rubber delamination from fabric	Orange oilcloth Surface is smooth, without folds, bare spots and roughness; mechanical damage, holes, contamination, rubber delamination from fabric are absent	Complies.
1.3.6/3.2	Width of rubber extrusion along oilcloth edges	not more than 5 mm	less than 4 mm	Complies.
Additional tests	- Maximum density of oilcloth, g/m ² - Tensile strength, kN/m	not more than 650 3,8 – 6,0	600 4,0	Complies. Complies.