

# ROMANIAN ACCREDITATION ASSOCIATION - RENAR

Bucharest, Calea Vitan no. 242, sector 3, zip code 031301

CIF RO 4311980



*RENAR is EA-MLA signatory for Testing.*

## ACCREDITATION CERTIFICATE No. LI 279

Romanian Accreditation Association – RENAR, being recognized as National Accreditation Body by GO 23/2009, herewith attests that the organization:

### TERAPLAST SA

Village Sărățel, Commune Șieu-Măgheruș, #1 Calea Teraplast street,  
Bistrița-Năsăud county

through

### TESTING LABORATORY

Fulfils the requirements of **SR EN ISO/IEC 17025:2018** and is competent to carry on **TESTING** activities, as it is detailed in the Annex of the present accreditation certificate.

This accreditation is maintained provided that the accreditation criteria established by the Romanian Accreditation Association – RENAR are met continuously.

The present certificate includes Annex no. 1/16.11.2023 (2 pages), which is an integrated part of this certificate.

The accreditation certificate is an essential accreditation document, which might be periodically revised and issued by RENAR. The most recent version of the accreditation certificate is available on the website of RENAR, [www.renar.ro](http://www.renar.ro).

Date of initial accreditation: 07.06.2004

Date of renewal accreditation: 16.11.2023

The accreditation is valid until: 15.11.2027

**GENERAL DIRECTOR**

**Alina Elena TAINA**



**PRESIDENT OF THE  
ACCREDITATION COUNCIL**

**PhD. Eng. Dumitru DINU**

The translation of this certificate was issued today, 29.11.2023.

The Accreditation Certificate does not relieve/exempt CAB the obligation to obtain all permits and authorizations required for its operation under the law

Partial reproduction of this certificate is forbidden.

**Annex no. 1 to Accreditation Certificate no. LI 279**  
**Annex no. 1 Issue Date: 16.11.2023**

**TERAPLAST SA**

through **Testing Laboratory**

**Village Sărățel, Commune Șieu-Măgheruș, #1 Calea Teraplast street, Bistrița-Năsăud county**

**A. Tests performed in permanent sites**

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
<b>Physical tests</b>			
1.	Determination of longitudinal reversion	PVC, PP, PE, PEX and PERT pipes, PVC profiles, PE and biodegradable films UT1	SR EN ISO 2505:2005 SR EN 479:2018 SR EN ISO 11501:2005 PSI F.16.71
		Tevi PE UT2	SR EN ISO 2505:2005 PSI F.16.71
2.	Determination of Vicat softening temperature	PVC, PP and PE pipes and fittings PVC profiles, PVC rigid granules UT1	SR EN ISO 306:2023 SR EN ISO 2507-1:2018 SR EN ISO 2507-2:2018 PSI F.07.71
3.	Determination of Shore hardness	PVC, PP, PE, HFFR granules and profiles UT1	SR EN ISO 868:2003 PSI F.04.71
4.	Determination of density	PVC, PP, PE, PEX, PERT pipes and fittings, Microtubes, PVC profiles, PVC, PP, PE, HFFR granules and biodegradable granules UT1	SR EN ISO 1183-1:2019 clause 5.1 method A PSI F.03.71
		PE pipes and fittings, PE granules UT2	
5.	Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR)	PVC, PP, PE pipes and fittings PVC, PP, HFFR, biodegradable granules UT1	SR EN ISO 1133-1:2022 PSI F.45.71
		PE granules, pipes and fittings UT2	
<b>Physical-mechanical tests</b>			
6.	Determination of tensile properties (tensile resistance and elongation)	PVC, PP and PE pipes, PVC profiles, PVC and HFFR granules PE and biodegradable films UT1	SR EN ISO 527-1:2020 SR EN ISO 527-2:2012 SR EN ISO 527-3:2019 SR EN ISO 6259-1:2015 SR EN ISO 6259-2:2020 SR EN ISO 6259-3:2015 PSI F.06.71
		PE pipes UT2	
7.	Determination of flexural properties (flexural modulus)	PVC, PP and PE pipes and fittings, PE manholes, PVC profiles, PVC rigid granules UT1	SR EN ISO 178:2019 PSI F.19.71
8.	Determination of ring stiffness	PVC, PP and PE pipes UT1	SR EN ISO 9969:2016 PSI F.26.71
9.	Determination of compression resistance	PVC tubes, PE tubes for cable management Microtubes UT1	SR EN 61386-1: 2009 clause 10.2 SR EN 61386-1:2009/A1:2019 SR EN 61386-24:2011 clause 10.2 SR EN 60794-1-21:2015 method E3A PSI F.34.71



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No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
10.	Determination of ring flexibility	PVC, PP and PE pipes UT1	SR EN ISO 13968:2009 PSI.F.39.71
11.	Determination of the tear resistance	PE and biodegradable films UT1	SR EN ISO 6383-1:2016 PSI.F.47.71
Physico-chemical tests			
12.	Determination of thermal stability by Congo red method	PVC granules UT1	SR ISO 182-1:1998 PSI.F.05.71
13.	Determination of thermal stability - isothermal oxidation method	Raw materials, PVC, PP and PE pipes and fittings UT2	SR EN ISO 11357-6:2018 PSI.F.46.71
14.	Determination of the degree of crosslinking	PEX pipes UT1	SR EN ISO 10147:2013 PSI.F.48.71
Dimensional tests			
15.	Determination of the dimensions	PVC, PP, PE, PEX, PERT pipes and fittings, Microtubes PE and biodegradable films UT1	SR EN ISO 3126:2005 clauses 5.1; 5.2; 5.3.; 5.4. SR ISO 4593:1998 PSI.F.44.71
		PE pipes and fittings UT2	
Qualitative tests			
16.	Determination of the resistance to internal pressure	PVC, PP, PE, PEX, PERT pipes and fittings and Microtubes / UT1	SR EN ISO 1167-1:2006 SR EN ISO 1167-2:2006 PSI.F.08.71
		PE pipes and fittings UT2	
17.	Determination of leaktightness under internal hydrostatic pressure	PVC and PP pipes PP and PVC fittings UT1	SR EN ISO 13259:2020 SR EN ISO 13254:2018 SR EN ISO 13255:2018 PSI.F.21.71
18.	Determination of appearance after heating	PP and PVC fittings PVC profiles UT1	SR EN ISO 580:2005 SR EN 478:2018 PSI.F.17.71
19.	Determination of drop impact resistance	PVC and PP pipes and fittings PVC profiles UT1	SR EN 477:2018 SR EN ISO 3127:2018 SR EN ISO 13263:2018 SR EN 13245-1:2011 Annex B PSI.F.23.71
20.	Determination of impact resistance	PVC tubes, PE tubes for cable management Microtubes UT1	SR EN 61386-1:2009 pct. 10.3 SR EN 61386-1/A1:2019 SR EN 61386-24:2011 pct. 10.3 SR EN 60794-1-21 method E4 PSI.F.29.71

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**GENERAL DIRECTOR**  
**Alina Elena TAINĂ**

