



Testpolymer EU
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Testing laboratory No. 1595
accredited by ČIA
according to ČSN EN ISO/IEC 17025:2018



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Test report No. 369/2026/EN

Customer:	Jäätmete Sorteerimiskeskus OÜ, Suur-Sõjamäe põik 8a, 114 15 Tallinn, the Republic of Estonia Company ID: 11228261, Tax ID: EE101056018
Customer's order:	Valmar Visnapuu, 24.3.2026
Sample number:	2600280
Subject of testing:	plastic
Tested material ¹ :	Regranulate EPS pellets
Detailed description ¹ :	extrusion grade recycled polystyrene (from EPS recycling), package no 0326/01
Form of material:	granulate - sampled and delivered by customer
Preparation of samples:	specimens injection molded of granulate
Date of receipt of the sample:	1.4.2026

Tests	Test specifications
Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics	ČSN EN ISO 1133-1:2023 ČSN EN ISO 1133-2: 2012
Determination of the density of non-cellular plastics- Immersion method	ČSN EN ISO 1183-1:2025 method A
Determination of ash content by direct annealing	ČSN EN ISO 3451-1:2019 ISO 3451-2:1998 ČSN EN ISO 3451-4:2024

Photo of the tested sample:



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Test No. 7	Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics			
Test standard:	ČSN EN ISO 1133-1:2023			
Test equipment:	Plastometer Dynisco LMI 5000			
Test method:	A	Preheating:		300 s
Pretreatment of sample:	Drying at 70°C, 2 hours			
Conditioning:	Desiccator 23±2°C, 30 minutes		Stabilization:	no
Sample type:	Granulate			
Sample weight:	7,5 g		Cut-off interval:	5 s
Testing temperature:	200°C		Load:	5 kg
Nozzle size:	length 8,000mm, diameter 2,095mm			
Unusual behavior of sample during test:	Not detected			
Comment:	Not specified			
	Mass of cut-offs (g)	Individual values (g/10min)	Average value (g/10min)	Uncertainty of measurement ² (g/10min)
MFR	0,143	17,2	17,2	1,3
	0,145	17,4		
	0,141	16,9		
Date: 7.4.2026				

Test No. 8	Determination of the density of non-cellular plastics- Immersion method		
Test standard:	ČSN EN ISO 1183-1:2025		
Test method:	A (Immersion method)		
Test equipment:	Analytical balance XS 105 (Mettler -Toledo) with density set		
Test conditions:	Temperature: 22,6°C Humidity: 46,8%		
Sample type:	test specimens 30x10x4 mm, 3 pieces		
Pretreatment of sample:	Not specified		
Conditioning:	16 hours at temperature 23±2°C and relative humidity 50±5%		
Immersion liquid:	Distilled water	Temperature of the immersion liquid: 22,5°C	
Buyoyancy correction:	Yes, according to article 5.1.4.4 of ČSN EN ISO 1183-1		
Comment:	Not specified		
	Individual values (g/cm³)	Average value (g/cm³)	Uncertainty of measurement² (g/cm³)
Density	1,04843	1,049	0,002
	1,04905		
	1,05015		
Date: 9.4.2026			

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Test No. 10	Determination of ash content by direct annealing			
Test standard:	ČSN EN ISO 3451-1:2019			
Test method:	method A -direct calcination			
Pretreatment of sample:	Drying at 70°C, 2 hours			
Annealing temperature:	600°C			
Comment:	Not specified			
	Weight of dried sample (g)	Individual values (wt. %)	Average value (wt. %)	Uncertainty of measurement ² (wt.%)
Ash content	25,0203	0,197	0,198	0,001
	25,0232	0,198		
Date: 7.4.2026				

¹Information supplied by the customer:

The laboratory is not responsible for the information provided by the customer and its effect on the validity of the results.

²Measurement uncertainty

The measurement uncertainty is an expanded uncertainty with an expansion coefficient $k = 2$, which corresponds to a coverage probability of 95.45% for normal distribution.

Declaration:

Test results relates only to the test subject and refer to the sample as received

Laboratory is not responsible for sampling done by customer.

Without the written consent of the Laboratory director, the protocol cannot be reproduced other than the entire.

The place of testing is identical to the laboratory location indicated in the header of the test report.

Test report was created by: Bc. Kateřina Vařeková

Test report was approved by:

Eva Kovářová
Digitálně podepsal
Eva Kovářová
Datum: 2026.04.14
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End of test report