



Angarsk Polymer Plant Joint Stock Company
 Legal address:
 665800, Irkutsk region, Angarsk, block 8, (Pervyi industrial area), building 5
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The products were manufactured under control established in the integrated management system certified by Quality Austria in accordance with the requirements of ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, Certificates Nos. 25613/0, 04306/0, 0/1144, and 0/0, 00241/0

Test Center, Central Plant Laboratory
 665830, Irkutsk region, Angarsk, First industrial area, block 36, building 1
 Angarsk Polymer Plant Joint Stock Company
 e-mail: ZabrodinaSV@azp.rosneft.ru Tel. 8(3955) 57-41-84
 Certificate of Accreditation of the Testing Center, Central Factory Laboratory of AZP JSC No. POCC RU.0001.512795
 Validity period of the accreditation certificate: unlimited.

CERTIFICATE No. 184

Expandable Polystyrene PSV-SV-NM-15, second grade

Certificate of Conformity No. POCC RU C-RU.HP15.H08371/21
 Valid until January 20, 2024

OKPD2 Code 20.16.20.116
 Batch number: 816
 Date of manufacture December 10, 2021
 Batch size (mass): 21.000 t
 Sampling site (according to GOST 2517): Shop warehouse 127, facility 1452
 Date of sampling: December 10, 2021
 Test date: December 11, 2021
 The certificate was issued on the basis of: test results dd December 11, 2021 No. 184-ICT



No.	Name of indicator	Testing method	Norm according to TU 2214-004 46693089-2014	Actual value
1	Granulometric composition (residue after sieving through screens with cell size, mm), %	Item 5.5, TU 2214-004-46693089-2014-		
	no more than 3.2	Item 5.5, TU 2214-004-46693089-2014	10.0	5.8
	not less than 0.9	Item 5.5, TU 2214-004-46693089-2014	65	88
	not less than 0.4	Item 5.5, TU 2214-004-46693089-2014-	90	99
2	Loss of mass on drying, %, not more than	Item 5.8, TU 2214-004-46693089-2014	1.5	1.1
3	Mass fraction of residual monomer (styrene), %, not more than	GOST 15820	0.10	0.03
4	Relative viscosity, not less than	Item 5.7, TU 2214-004-46693089-2014	1.7	1.9
5	Combustibility (time of the polystyrene foam self-burning), s, not more than	Item 5.10, TU 2214-004-46693089-2014	4	4
6	Apparent density, kg/m ³	GOST 409	15 ±2	14
7	Failing stress at static bending, not less than, MPa (kgf/cm ²)	GOST 18564	0.2 (2)	0.2
8	Mass fraction of pore-forming agent, %, not less than	Item 5.12, TU 2214-004-46693089-2014	3.5	4.7

Conclusion:
 Expandable polystyrene PSV-SV-NM-15, second grade **complies with the requirements:**
 - TU 2214-004-46693089-2014 with amendments 1-4 "Expandable Polystyrene PSV-SV-NM. Specifications"

Additional Information:
 - the composition of the expandable polystyrene includes antipyrren (hexabromocyclododecane);
 - transportation and storage: as per Item 6, TU 2214-004-46693089-2014 with amendments 1-4.
 - warranty period of storage: 5 months from the date of manufacture or from the date of testing.
 - temperature of preliminary foaming of the polymer (98-105 °C), temperature of forming of the polystyrene foam block (104-112 °C) as per Item 5.3.3, TU 2214-004-46693089-2014 with amendments 1-4.
 - Safety Data Sheet No. 46693089.20.64127. Valid until September 30, 2025
 Container "Polypropylene Bags with Polyethylene Liner (03) (30 kg)"
 Number of containers: 700 pcs.

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Operator of the Section of Raw Material Preparation and Issue of Intermediates and Products, 4th Category _____
 Certificate issue date:

E.V. Shishelova
 (Power of Attorney No. АЗП-181/21 dated April 6, 2021)
 December 11, 2021

Seal:
 Angarsk Polymer Plant Joint Stock Company
 FOR PRODUCT CERTIFICATES

Stamp:
 Accepted for shipment by the Logistics Support Division of RN-TRANS JSC