



Angarsk Polymer Plant Joint Stock Company  
 Legal address:  
 665800, Irkutsk region, Angarsk, block 8, (Pervyi industrial area), building 5  
 e-mail: secr@azp.ru Tel.: 8(3955) 57-30-00, 57-30-02

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, 01144/0, and 00241/0

Testing Center, Central Factory Laboratory  
 665830, Irkutsk region, Angarsk, industrial zone.  
 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. ROSS RU.0001.512795  
 Validity period of the accreditation certificate: unlimited.

**CERTIFICATE No. 2999**

**High-pressure (low-density) polyethylene 10803-020, grade 1, filmy**

Certificate of Conformity No. POCC RU C-RU.HP15.H08360/21  
 Valid until January 19, 2024

OKPD2 code 20.16.10.111  
 Batch number: **3144**  
 Date of manufacture: December 3, 2021  
 Batch size (mass): 10.000 t  
 Sampling site (according to GOST 2517): Shop warehouse 122/123, facility 1083  
 Date of sampling: December 3, 2021  
 Test date: December 3, 2021  
 The certificate was issued on the basis of: test results dated January 03, 2021 No. 2999-ПВД108



No.	Name of indicator	Testing method	Norm according to GOST 16337-77	Actual value
1	Mass fraction of the granules with a size from 1 to 2 mm, %, not more than	As to Item 3.8, GOST R 16337-77	0.5	0.5
2	Mass fraction of the granules with a size from 5 to 8 mm, %, not more than	As to Item 3.8, GOST R 16337-77	0.25	0.25
3	Mass fraction of gray and oxidized granules	As to Item 3.9, GOST R 16337-77	Not allowed	Absence
4	Density, g/cm <sup>3</sup>	As to Item 5, GOST 15139-69	0.9185 ± 0.0015	0.9174
5	Melt liquidity index (rated value) with tolerance, %, g/10 min	GOST 11645-73	2.0 ± 15	2.0
6	Diversity of the melt liquidity index within batch, %, not more than	As to Item 3.13, GOST 16337-77	± 8	±3
7	Number of inclusions, pcs., not more than	As to Item 3.14, GOST 16337-77	5	4
8	Process sample for the film external appearance	As to Item 3.15, GOST 16337-77	B	B
9	Cracking resistance, h, not less than	GOST 13518-68	2	4
10	Tensile yield point, Pa (kgf/cm <sup>2</sup> ), not less than	GOST 11262-2017	93 * 10 <sup>5</sup> (95)	102*10 <sup>5</sup> (104)
11	Tensile strength, Pa (kgf/cm <sup>2</sup> ), not less than	GOST 11262-2017	122 * 10 <sup>5</sup> (125)	141*10 <sup>5</sup> (144)
12	Tension set, %, not less than	GOST 11262-2017	550	615
13	Mass fraction of extractables, %, not more than	GOST 26393-84	1.1	0.6
14	Odor and taste of aqueous extracts, points, not more than	As to Item 2, GOST 22648-77	1	1

**Conclusion:**

High-pressure polyethylene 10803-020, grade 1, filmy **complies with the requirements of:**  
 - GOST 16337-77 with amendments 1-3 "High-Pressure Polyethylene, Grades. Specifications"

**Additional Information:**

- transportation and storage: as per Item 4, GOST 16337-77 with amendments 1-3;
- warranty period of storage: 3 year from the date of manufacture.
- Safety Data Sheet No. 46693089.20.47205 Valid until July 10, 2022.  
 Container "Polyethylene Bag with Internal Lamination. (25 kg)"  
 Number of containers: 400 pcs.

Stamp here

Seal:

Angarsk Polymer Plant Joint Stock Company

FOR PRODUCT CERTIFICATES

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

Operator of the Section of Raw Material Preparation and Issue of Intermediates and Products,  
 4<sup>th</sup> Category \_\_\_\_\_  
 Certificate issue date

T.K. Shotnikova  
 (Power of Attorney No. А3П-113/21 dated January 1, 2021)  
 December 13, 2021