



Angarsk Polymer Plant Joint Stock Company
 Legal address:
 665800, Irkutsk region, Angarsk, block 8, (Perviy 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 the Russian Registr Certification Association in accordance with the requirements of ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, Certificates Nos. 18.0777.026, 18.0779.026, and 18.0778.026.

ITs-TsZL (Testing Center, Central Factory Laboratory): workshop maintenance laboratory 122/123
 665830, Irkutsk region, Angarsk, industrial zone.
 Angarsk Polymer Plant Joint Stock Company
 e-mail: secr@azp.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. 183

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

Certificate of Conformity No. ROSS RU.AF81 N00168
 Valid until January 28, 2021

OKPD2 code 20.16.10.111

Batch number: **139**

Date of manufacture: January 19, 2021

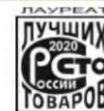
Batch size (mass): **1.300 t**

Sampling site (according to GOST 2517): Shop warehouse 122/123, facility 1083

Date of sampling: January 19, 2021

Test date: January 20, 2021

The certificate was issued on the basis of: test results dated January 20, 2021 No. 183-ПВД108



No.	Name of the 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 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 16337-77	0.25	0.25
3	Mass fraction of gray and oxidized granules	As to Item 3.9, GOST 16337-77	Not allowed	Absence
4	Density, g/cm ³	As to Item 5, GOST 15139-69	0.9185 ± 0.0015	0.9177
5	Melt liquidity index (rated value) with tolerance, %, g/10 min	GOST 11645-73	2.0 ± 15	2.3
6	Diversity of the melt liquidity index within batch, %, not more than	As to Item 3.13, GOST 16337-77	± 8	±2
7	Number of inclusions, pcs., not more than	As to Item 3.14, GOST 16337-77	5	2
8	Process sample for the film external appearance	As to Item 3.15, GOST 16337-77	B	-
9	Cracking resistance, h, not less than	GOST 13518-68	2	4
10	Tensile yield point, Pa (kgf/cm ²), not less than	GOST 11262-2017	93* 10 ⁵ 95	94* 10 ⁵ (96)
11	Tensile strength, Pa (kgf/cm ²), not less than	GOST 11262-2017	122*10 ⁵ 125	129*10 ⁵ (132)
12	Tension set, %, not less than	GOST 11262-2017	550	637
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 **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: 52 pcs.

Stamp here

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,
 4th Category _____
 Certificate issue date

S.K. Prutskova
 (Power of Attorney No.
 A3II-115/21 dated
 January 1, 2021)
 January 20, 2021