



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. 53

High-pressure (low-density) polyethylene 13403-020, pilot batche

OKPD2 code 20.16.10.111
Batch number: 1883
Date of manufacture: August 7, 2021
Batch size (mass): 10.000 t
Sampling site (according to GOST 2517): Shop warehouse 122/123, facility 1083
Date of sampling: August 7, 2021
Test date: August 13, 2021
The certificate was issued on the basis of: test results dated August 13, 2021 No. 53-ПВД134

No.	Name of indicator	Testing method	Norm according to TU 6-05-1853-78	Actual value
1	Density, g/cm ³	GOST 15139	0.918 ± 0.002	0.917
2	Melt liquidity index, g/10 min (rated value) with tolerance, %	GOST 11645	2.0 ± 40	1.9
3	Diversity of the melt liquidity index within batch, %, not more than	Item 4.12, TU 6-05-1853-78	± 12	±3
4	Number of inclusions, pcs., not more than	Item 4.13, TU 6-05-1853-78	20	25
5	Tensile yield point, Pa (kgf/cm ²), not less than	GOST 11262	88*10 ⁵ (90)	100*10 ⁵ (102)
6	Tensile strength, Pa (kgf/cm ²), not less than	GOST 11262	113*10 ⁵ (115)	136*10 ⁵ (139)
7	Tension set, %, not less than	GOST 11262	500	539
8	Mass fraction of the granules with a size from 2 to 8 mm, %, not more than	Item 4.9, TU 6-05-1853-78	0.5	0.5
9	Mass fraction of the granules with a size from 5 to 8 mm, %, not more than	Item 4.7, TU 6-05-1853-78	0.5	0.5
10	Mass fraction of gray and oxidized granules, %, not more than	Item 4.8, TU 6-05-1853-78	0.5	Absence
11	Mass fraction of extractables, %, not more than	Item 4.15, TU 6-05-1853-78	1.7	0.6

Conclusion:

High-pressure polyethylene 13403-020, pilot batches **complies with the requirements of:**
- GOST 6-05-1853-78 with amendments 1–4 “High-Pressure Polyethylene, Grades. Pilot Batches”

Notes: 1. For black-colored polyethylene, indicators as per Items 1 and 4 shall not be determined.
2. As per the agreement with a customer, it is allowed to increase the norm under Item 4 up to 100 pcs.
3. Indicator 11 is an optional one for the term of the TU validity.

Additional Information:

- transportation and storage: as per Item 5, TU 6-05-1853-78 with amendments 1–4;
- warranty period of storage: 1 year from the date of manufacture.
Container “Polyethylene Bag with Internal Lamination. (25 kg)”
Number of containers: 400 pcs.

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

Ya.V. Dudkina
(Power of Attorney No. A3II-122/21 dated January 1, 2021)

Certificate issue date:

August 13, 2021

Seal:
Angarsk Polymer Plant Joint Stock Company
FOR PRODUCT CERTIFICATES

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