



Angarsk Polymer Plant Joint Stock Company
Legal address:
665800, Irkutsk region, Angarsk, block 8, (Perviy 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, 01144/0, and 00241/0

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 No. 5

HIGH-PRESSURE (LOW-DENSITY) POLYETHYLENE, BRAND 13503-040. PILOT BATCHES

OKPD2 code 20.16.10.111

Batch number: **1563**

Date of manufacture: June 7, 2021

Batch size (mass): 1.250 t

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

Date of sampling: June 7, 2021

Test date: June 9, 2021

The certificate was issued on the basis of: test results dated June 9, 2021 No. 5-ПВД135

No.	Name of indicator	Testing method	Norm according to TU 6-05-1853-78	Actual value
1	Density, g/cm ³	GOST 15139-69	0.918 ± 0,002	0.918
2	Melt liquidity index, g/10 min (rated value) with tolerance, %	GOST 11645-73	4.0 ± 40	4.6
3	Diversity of the melt liquidity index within batch, %, not more than	Item 4.12, TU 6-05-1853-78	± 12	±10
4	Number of inclusions, pcs., not more than	Item 4.13, TU 6-05-1853-78	20	2
5	Tensile yield point, Pa (kgf/cm ²), not less than	GOST 11262-2017	88*10 ⁵ (90)	101*10 ⁵ (103)
6	Tensile strength, Pa (kgf/cm ²), not less than	GOST 11262-2017	108 * 10 ⁵ (110)	129*10 ⁵ (132)
7	Tension set, %, not less than	GOST 11262-2017	450	549
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 (LOW-DENSITY) POLYETHYLENE, BRAND 13503-040. PILOT BATCHES **complies with the requirements of:**

High-pressure polyethylene, brand 13503-040. Pilot batches comply with TU 6-05-1853-78 with amendments 1-4.

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: 50 pcs.

Stamp here

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

M.S. Tsymbal
(Power of Attorney No.
A3II-112/21 dated
January 1, 2021)

Certificate issue date:

June 9, 2021

Seal:
Angarsk Polymer Plant Joint Stock
Company
FOR PRODUCT CERTIFICATES

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