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UFAORGSINTEZ PJSC

450037, Russian Federation, Republic of Bashkortostan, Ufa city  
Quality Division, Testing Center for Petrochemical Products, Raw Materials and Environmental Facilities  
Unique entry number in the Register of Accredited Entities No. RA.RU.21УФ03  
Laboratory of Quality Control of polypropylene production



**CERTIFICATE No. 70-2021**  
**TRANSITIONAL GRADES OF BALEEN**  
**(POLYPROPYLENE AND PROPYLENE COPOLYMERS)**  
**TS 2211-096-05766563-2013**

**Grade** 04015 **OKPD 2 Code** 20.16.51.110  
**Batch No.** 70 **Net weight** 33.200 t  
**Date of manufacture** 12.12.2021  
**Date of sampling** 12.12.2021  
**Test date** 12.12.2021–13.12.2021  
**Designation of the regulatory documentation (RD), according to which the sample was taken** TS 2211-096-05766563-2013

Item No.	Name of the indicator	RD for test method	Norm	Analysis result
1	Melt flow rate (230 °C / 2.16 kg), g/10min	ASTM D 1238	from 1.2 to 2,5	2.3
2	Mass fraction of volatile substances, %	TS 2211-096-05766563-2013, cl. 5.6	maximum 0.1	0.02
3	Tensile yield point, MPa	ASTM D 638	minimum 21	32.8
4	Elongation at yield strength, %		minimum 9	13.0
	Resistance to thermo-oxidative aging at 150 °C, hour	TS 2211-096-05766563-2013, cl. 5.8	minimum 360	testing is performed since 12.12.2021

**Conclusion: the product meets the technical specifications (TS) of GOST 2211-096-05766563-2013.**  
**Not subject to mandatory certification.**

The products are manufactured under the guidance of the Management Systems certified for compliance with the requirements: ISO 9001:2015 Certificate No. 31100600 QM15, ISO 50001:2018 Certificate No. 31100600 EMSt18, ISO 14001:2015 Certificate No. 31100600 UM15, ISO 45001:2018 Certificate No. 31100600 OHS18.

**Scope of application:** Intended for the production of technical and household devices, sheets, tapes, containers by various methods of processing. It is not provided to use for the manufacturing of devices contacting with food products, drinking water, toys, and medical devices.

**Characteristics of fire and explosion hazard:** pelletized baleen P as per GOST 12.1.044 is related to the group of solid combustible materials with high smoke-producing capacity. When baleen P approaching the open flame and heating, during the processing up to temperature up to 150 °C baleen P burns without explosion with the formation of a melt and the formation of products of volatile thermal destruction, which contain as to GOST 12.3.030 acetic acid, formaldehyde, acetaldehyde, carbon oxide. Air-borne dry dust of baleen P is explosive; the particle friction results in accumulating the charge of static electricity.

**Transportation rules:** baleen P is transported by all types of transport in covered vehicles in accordance with the rules of cargo transportation applicable to this type of transport. Baleen P packed in bags, when loaded into containers according to GOST 15102 or GOST 20435, is transported in any means of transport. It is allowed, upon agreement with the consumer, to transport in bulk in railway cars and road pneumatic tanks.

**Storage rules:** baleen P is stored in closed room while avoiding the exposure of direct sunlight at a distance of not less than 1 m from heating devices at a temperature not more than 30 °C and relative humidity not more than 80 %. Before opening, bags with baleen P must be kept in the production room for at least 12 hours. It is allowed to store the baleen at the consumer's for up to 30 days in the metallic storage drums installed on outdoor sites, which exclude moisture ingress and product contamination.

**Neutralization, disposal, and burial of wastes:** waste unsuitable for recycling does not require neutralization, and is subject to removal to places agreed with the bodies of the Ministry of Emergency Situations and Environmental Safety and the Federal Service for Supervision of Consumer Rights Protection and Human Welfare (Division of the Federal Service for Supervision of Consumers Protection and Welfare (Rosпотребнадзор).

The warranty period of storage is 3 years from the date of manufacture.

**Date of passport registration:** 13.12.2021

Chemical Analysis Laboratory Assistant of the 5th grade – production team leader /Signature/ Davletgareeva E.F.  
(Power of attorney No. 37/24 dated 01.01.2022)

L.S.

Date of passport registration: 13.12.2021

**Stamp:**  
Public Joint Stock Company  
UFAORGSINTEZ  
Quality Division 0/1