



CERTIFICATE No. 71-2021
TRANSITIONAL GRADES OF BALEEN
(POLYPROPYLENE AND PROPYLENE COPOLYMERS)
TS 2211-096-05766563-2013

Grade	04040	OKPD Code 2	20.16.51.110
Batch No.	71	Net weight	27.100 t
Date of manufacture	18.12.2021		
Date of sampling	18.12.2021		
Test date	18.12.2021–19.12.2021		

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 according to TS 2211-096 -05766563-2013	Analysis result
1	Melt flow rate (230 °C / 2.16 kg), g/10min	ASTM D 1238	from 2.5 to 5.0	4.1
2	Mass fraction of volatile substances, %	TS 2211-096-05766563-2013, cl. 5.6	maximum 0.1	0.01
3	Tensile yield point, MPa	ASTMD 638	minimum 21	33.7
4	Elongation at yield strength, %		minimum 8	13.2
5	Resistance to thermo-oxidative aging at 150 °C, hour	TS 2211-096-05766563-2013, cl. 5.8	minimum 360	testing is performed since 18.12.2021

Conclusion: the product meets TS 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 EMS18, 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, furniture 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-production factor. 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 outdoor areas installed metal containers for storage, excluding the ingress of moisture and contamination of the product.

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).

Warranty period of storage: 3 years from the date of manufacture.

Chemical Analysis Laboratory Assistant of the 5th grade – production team leader /Signature/ Mullakhmetova E.R.
 (Power of attorney No. 37/21 dated 01.01.2021)

L.S. Date of passport registration: 10.12.2021

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