



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

Grade 04006 **OKPD 2 Code** 20.16.51.110
Batch No. **Net weight**
Date of sampling
Test date
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 / 2.6 kg), g/10 min	ASTM D 1238	from 0.2 to 0.6	
2	Mass fraction of volatile substances, %	TS 2211-096-05766563-2013, cl. 5.6	not more than 0.1	
3	Tensile yield point, MPa	ASTM D 638	not less than 22	
4	Elongation at yield strength, %		not less than 10	
5	Resistance to thermo-oxidative aging at 150 °C, hour	TS 2211-096-05766563-2013, cl. 5.8	not less than 360	

Conclusion: the product corresponds to 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 14001:2015 Certificate No. 31100600 UM15, BS OHSAS 18001:2007 Certificate No. 31100600 BSOH.

Scope of application: intended for manufacture of shaped and linear products, pipes, sheets, tapes. 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 (Rosпотrebnadzor).

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

Chemical Analysis Laboratory Assistant of the 5th grade – production team leader

(power of attorney No. 1/19 dated 01.01.2019)

L.S.

Certificate registration date