

Polypropylene BALEN 01018

PRODUCT DESCRIPTION

BALEN 01018 is a propylene homopolymer obtained in the presence of a complex organometallic catalyst. It is characterized by resistance to thermal-oxidative aging and also has improved antistatic and technological properties.

APPLICATION

Injection molded and extruded products for technical purposes, products in contact with food products, toys.

Parameter name	Value	Test method
Melt flow index (230 °C/2.16 kgf), g/10 min	0.9-2.4	GOST 11645, ASTM D 1238
Spread of melt flow index values within a batch, %, no more	± 10	TC 2211-074-05766563-2015
Mass fraction of volatile substances, %, no more	0.09	TC 2211-074-05766563-2015
Tensile yield strength, MPa, no less	34	GOST 11262, ASTM D 638
Relative elongation at yield strength, %, no less	10	GOST 11262, ASTM D 638
Bending modulus, MPa, no less	1200	ASTM D 790
Mass fraction of isotactic fraction, %	Not standardized	TC 2211-074-05766563-2015
Resistance to thermal-oxidative ageing at 150 °C, h, no less	360	TC 2211-074-05766563-2015

TC 2211-074-05766563-2015 with amendment 1-6

HAZARD IDENTIFICATION

At room temperature, the polymer does not emit toxic substances into the environment and does not have a harmful effect on the human body upon direct contact. The product aerosol is classified as a moderately hazardous substance in terms of its effect on the body and has weakly expressed irritating properties. Balen belongs to the group of solid flammable materials with high smoke-forming capacity. Thermal decomposition products are toxic. Balen may have an impact on the environment if handling rules are violated.

FORM OF PRODUCT	Stabilized, uncolored, in the form of granules from 2 to 5 mm in size.
PACKAGE	Polyethylene bags with welded neck; net weight of product in the bag 25.0 ± 0.3 kg. It is allowed to pack bags on flat pallets using heat-shrinkable film. Gross weight of the package up to 2 tons.
TRANSPORTATION AND STORAGE	Transported by all types of transport in covered vehicles in accordance with the rules for the carriage of goods applicable to this type of transport. Stored in a closed, dry room, excluding direct sunlight, at a distance of at least 1 m from heating devices at a temperature no higher than 30°C, relative humidity no more than 80%. Storage at the consumer's is allowed for up to 30 days in metal storage containers installed on outdoor platforms, excluding moisture ingress and contamination of the products.
GUARANTEE OF MANUFACTURER	The guaranteed shelf life is 3 years from the date of manufacture.

The information contained in this document is given according to our knowledge at the time of publication. It is the responsibility of the customer to test our products to determine their suitability for the intended application. The manufacturer accepts no liability for loss/damage that may arise from the use of this information. UN number: none. Classification code: none.