

Polypropylene BALEN 02003

PRODUCT DESCRIPTION

BALEN 02003 - block copolymer of propylene with ethylene, obtained in the presence of a complex metal-organic catalyst. Characterized by high resistance to thermal-oxidative aging, increased resistance to detergents, high impact strength, improved antistatic and technological properties.

APPLICATION

Gravity pipelines, pipeline parts, profile extrusion products, sheets, plates, products in contact with food products, toys.

Parameter name	Value	Test method
Melt flow index, g/10 min (230 °C/2.16 kgf) or (230 °C/5 kgf)	0.2-0.5 1.2-1.9	GOST 11645, ASTM D 1238
Spread of melt flow index values within a batch, %, no more	± 15	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	26	GOST 11262, ASTM D 638
Relative elongation, %, no less	at yield point	15
	at break	500
Izod impact strength of a notched specimen, J/m, no less	at 23°C	500
	at 0°C	Not standardized
	at -20°C	60
	at -40°C	30
Bending modulus, MPa, no less	1200	ASTM D 790
Resistance to thermal-oxidative ageing at 150 °C, h, no less	2000	TC 2211-074- 05766563-2015

TC 2211-074-05766563-2015 with amendments 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 ranging in size from 1 to 6 mm.
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	Guaranteed shelf life - 3 years from 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.