

Polypropylene BALEN 02003

PRODUCT DESCRIPTION

BALEN 02003 is a propylene-ethylene block copolymer produced with a complex metallocene catalyst., featuring excellent resistance to thermal ageing, extra resistance to detergents, high impact strength, and improved antistatic and processing properties.

APPLICATION

Non-pressure pipes, pipe fittings, extruded profiles, sheets, plates, food contact products, toys

PROPERTIES	VALUE	TEST METHOD
Melt flow rate (230°C/2.16 kgf krc or 230 °C/5 kgf), g/10 min	0.2-0.5	GOST 11645 ASTM D 1238
Melt flow rate spread within batch, % max	±15	Spec TY 2211-074-05766563
Volatiles, wt. % max	0.09	Spec TY 2211-074-05766563
Tensile strength at yield (5/50 mm/min), MPa, min	26	GOST 11262 ASTM D 638
Elongation at yield (5/50 mm/min), %, min	15	GOST 11262 ASTM D 638
Elongation at break (5/50 mm/min), %, min	500	GOST 11262 ASTM D 638
Flexural modulus (1.27 mm/min), MPa, min	1200	ASTM D 790
Notched Izod impact strength at 23°C, J/m, min	500	GOST 19109 ASTM D 256
Notched Izod impact strength at 0°C, J/m, min	Not rated	GOST 19109 ASTM D 256
Notched Izod impact strength at -20°C, J/m, min	60	GOST 19109 ASTM D 256
Notched Izod impact strength at -40°C, J/m, min	30	GOST 19109 ASTM D 256
Resistance to thermal ageing (135°C), hrs, min	2000	Spec TY 2211-074-05766563

Specification TY 2211-074-05766563-2015

with Amd.1-4

HAZARD IDENTIFICATION

The product does not emit any toxic substances at room temperature and does not have any harmful effect in direct contact with human body. Product aerosols are a moderate hazard to the body with a slightly irritant effect. Balen may have environmental effects if mishandled. Flammable. Products of thermal decomposition have irritating and toxic effect.

FORM	Stabilized, uncoloured, in the form of pellets
PACKAGE	Packed in plastic bags (net weight 25.0 ±0.3 kg). Suitable for palletizing on flat pallets using collation shrink wrap. Gross weight of a package: max. 2 tons
TRANSPORTATION & STORAGE	Multimodal transportation allowed in enclosed vehicles in accordance with the relevant carriage regulations. Store in an enclosed dry area away from direct sunlight, at least one meter away from any heating devices, at temperatures of 30°C max. and relative humidity of 80% max. User may store balen in moisture- and contamination-free outdoor steel containers for up to 30 days.
MANUFACTURER WARRANTY	Guaranteed shelf life: 3 years from the date of production

The information contained in this document is provided to the best of our knowledge as of the date of publication. Customer is responsible for any testing of our products for suitability for intended applications. Manufacturer will not be held liable for any losses / damage that may be incurred as a result of use of this information. UN No.: none. Classification code: none.



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