

# Polypropylene BALEN 01130

# Specification TY 2211-074-05766563-2015 with Amd.1-4

## PRODUCT DESCRIPTION

BALEN 01130 is a propylene homopolymer produced with a complex metallocene catalyst. Resistant to thermal ageing.

## APPLICATION

Filament yarns, staple fibre, moldings for industrial and household applications, disposable injection syringes, food contact products, toys

| PROPERTIES  | VALUE     | TEST METHOD               |
|---|-----------|---------------------------|
| Melt flow rate (230°C/2.16 kgf), g/10 min         | 10-15     | GOST 11645<br>ASTM D 1238 |
| Melt flow rate spread within batch, %             | ±10       | 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 | Not rated | GOST 11262<br>ASTM D 638  |
| Elongation at yield (5/50 mm/min), %, min         | Not rated | GOST 11262<br>ASTM D 638  |
| Flexural modulus (1.27 mm/min), MPa, min          | Not rated | ASTM D 790                |
| Isotactic fraction, wt. %, min                    | 94        | Spec TY 2211-074-05766563 |
| Resistance to thermal ageing (150°C), hrs, min    | 360       | Spec TY 2211-074-05766563 |

## 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.