# POLYPROPYLENE BUPLEN®
# COPOLYMER 7523, 7623, 8523

**Technical requirements**

| № | Properties | | Unit | Unit | | | Test Method |
|---|---|---|---|---|---|---|---|
| | | | | 7523 | 7623 | 8523 | |
| 1. | Melt floe rate at 230 ºC and loading 2,16 kg | min-max | g/10 min | 3 – 5 | 1 – 3 | 3 – 5 | ASTM D 1238 EN ISO 1133 |
| 2. | Density at 23 ºC | min-max | kg/m$^3$ | 896–903 | 896–903 | 896–903 | ASTM D 792 |
| 3. | Izod impact resistance at 23 ºC | min | J/m | 70 | 70 | 100 | ASTM D 256 |
| 4. | Deflection temperature under load (1,820 MPa) | min | ºC | 49 | 49 | 48 | ASTM D 648 ISO75-2 |
| 5. | Tensile strength at yield, at 50 mm/min | min | MPa | 23 | 23 | 23 | ASTM D 638 EN ISO 527-1 |
| 6. | Bending modulus 1% secant | min | MPa | 900 | 900 | 1000 | ASTM D 790 |
| 7. | Cold resistance | min | ºC | minus 5 | minus 5 | minus 10 | ASTM D 746 |

Note: Parameter “Cold resistance” is guaranteed by the manufacturer. It is determined periodically, at least on two lots per month.
Preparation of the samples for the physical-mechanical tests is performed by injection moulding as per ASTM D 4101.

**Product description**
The polypropylene is granulated, normally stabilized, with a natural colour.

**Production method**
It is produced by Stereospecific Polymerization of propene and ethylene in the presence of a Ziegler-Natta catalyst.

**Application**
For the production of home appliances, technical parts, car batteries, parts for the electrical and auto industries, packages for the food, wine and tobacco industries.

**Package**
Polyethylene bags, each with a mass of 25 kg.
Every package is marked with the product code, batch number and date of production.

**Storage**
It is stored in covered, dry and clean warehouses at distance not less than 1 m away from heat.

**Transportation**
Covered and clean vehicles, protected from moisture, mechanical damages and pollution.
Each batch is accompanied by product specification of test results according to the technical requirements.
Product MSDS (Material Safety Data Sheet) is submitted to the user prior to or at the time of the first delivery.

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