

 <p>“LUKOIL Neftohim Burgas” JSC</p>	<p>COMPANY TECHNICAL SPECIFICATION</p>	<p>CTS 3 – 72</p>

This specification is applicable only for products intended for export.

Product Polypropylene Buplene® is specified for nutrient products contact.

### 1. Technical requirements and test methods

№	Properties	Unit	Values of grades				Test Method
			6331	6431	6531	6631	
1.	Melt flow rate at 230°C, loading 2,16 kg, min-max	g/10min	8 - 16	5 - 8	3 - 5	1 - 3	ASTM D 1238 EN ISO 1133
2.	Density at 23 °C min-max	kg/m <sup>3</sup>	899 - 906	899 - 906	899 - 906	899 - 906	ASTM D 792
3.	Deflection temperature under Flexural load at 1,82 MPa min	°C	51	55	50	50	ASTM D 648 EN ISO 75-2
4.	Tensile strength at yield, at 50 mm/min min	MPa	29	30	30	30	ASTM D 638 EN ISO 527-1
5.	Bending modulus 1% secant min	MPa	1100	1100	1100	1100	ASTM D 790
6.	Impact strength by Izod at 23 °C min	J/m	15	20	25	30	ASTM D 256

**Note:** Preparation of the samples for the physical mechanical test is performed by injection moulding as per ASTM D 4101.

### 2. Product description

The polypropylene is granulated, stabilized normally and in natural appearance.

Application: For the production of home appliances, medical devices, technical manufacturing input materials, rough textile, the electrical industry parts, food, wine and tobacco industries packages and so on.

### 3. Method for production and sampling

- 3.1 It is produced by Stereospecific Polymerization of propene in the presence of a catalyst “Ziegler-Natta”.
- 3.2 Sampling procedure corresponds to ISO 8213.

### 4. Packages, marking and storage

- 4.1 Polyethylene bags, each with material mass of 25 kg.
- 4.2 Every package is marked with product code, batch and date of production.
- 4.3 It stored in covered, dry and clean warehouses at distance not less than 1 m away from heating appliances.

### 5. Transportation and documents

- 5.1 Covered and clean vehicles, protected from moisturizing, mechanical damages and pollution.
- 5.2 Each batch shall be accompanied by production specification of test results according to point 1.
- 5.3 Product SDS (Safety Data Sheet) is submitted to the user prior or at the time of first delivery.

end

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