

 “LUKOIL Neftohim Burgas” JSC	<b>COMPANY TECHNICAL SPECIFICATION</b>	<b>CTS 3 – 72</b>
<b>POLYPROPYLENE BUPLENE® HOMOPOLYMER 6331, 6431, 6531, 6631 and 6731</b>		

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	6731	
1.	Melt flow rate at 230°C, loading 2,16 kg, min - max	g/10min	8 - 16	5 - 8	3 - 5	1 - 3	0,6 - 1	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	899 - 906	ASTM D 792
3.	Deflection temperature under Flexural load at 1,82 MPa min	°C	50	50	50	50	55	ASTM D 648 EN ISO 75-2
4.	Tensile strength at yield, at 50 mm/min min	MPa	29	30	30	30	30	ASTM D 638 EN ISO 527-1
5.	Bending modulus 1% secant min	MPa	1100	1100	1100	1100	1100	ASTM D 790
6.	Impact strength by Izod at 23 °C min	J/m	15	20	25	30	50	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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