

 "LUKOIL Neftohim Burgas" JSC	COMPANY TECHNICAL SPECIFICATION	CTS 3 – 72.01
POLYPROPYLENE BUPLENE®- HOMOPOLYMER 6531 and 6631, FOR BIAXIALLY ORIENTED FILM (BOPP)		

**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
			6531	6631	
1.	Melt flow rate at 230 °C, loading 2,16 kg, min-max	g/10 min	3 - 5	1 - 3	ASTM D 1238 EN ISO 1133
2.	Density at 23 °C, min-max	kg/m ³	899 - 906	899 - 906	ASTM D 792
3.	Deflection temperature under Flexural load at 1,82 MPa, min	°C	50	50	ASTM D 648 EN ISO 75-2
4.	Tensile strength at yield, at 50 mm/min, min	MPa	30	30	ASTM D 638 EN ISO 527-1
5.	Bending modulus 1 % secant, min	MPa	1200	1200	ASTM D 790
6.	Impact strength by Izod at 23 °C, min	J/m	35	35	ASTM D 256
7.	Elongation at break, min	%	200	200	ASTM D 638 EN ISO 527-1
8.	Ash content, max	% (m/m)	0,03	0,03	AK 3-08-03

Notes:

1. BOPP - biaxially oriented polypropylene;
2. AK - test method of „LUKOIL Neftohim Burgas” JSC;
3. 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 production of home appliances, biaxially - oriented film, 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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