
 "LUKOIL Neftohim Burgas" JSC	<b>COMPANY TECHNICAL SPECIFICATION</b>	<b>CTS 3 – 51.01</b>
<b>POLYPROPYLENE BUPLENE®- HOMOPOLYMER, 6331 „CAST”          FOR THE MANUFACTURE OF CAST FILM          (CPP)</b>		
Coordinated by, Chief Process Engineer:	Approved by, Senior Engineer:	

This specification is applicable only for products, intended for export.

**1. Technical requirements and test methods**

№	Properties	Unit	Values		Test Method
			min	max	
1.	Melt flow rate at 230 °C, loading 2,16 kg	g/10 min	8	16	ASTM D 1238 EN ISO 1133
2.	Density at 23 °C	kg/m <sup>3</sup>	899	906	ASTM D 792
3.	Deflection temperature under Flexural load at 1,82 MPa	°C	50	-	ASTM D 648 EN ISO 75-2
4.	Tensile strength at yield, at 50 mm/min	MPa	29	-	ASTM D 638 EN ISO 527-1
5.	Bending modulus 1 % secant	MPa	1100	-	ASTM D 790
6.	Impact strength by Izod at 23 °C	J/m	15	-	ASTM D 256
7.	Elongation at break	%	600	-	ASTM D 638 EN ISO 527-1
8.	Ash content	%(m/m)	-	0,08	AK 3-08-03

**Notes:**

1. CPP - polypropylene, for the manufacture of uniaxially oriented film;
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, 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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