

 "LUKOIL NEFTOCHIM BOURGAS" AD	<b>COMPANY TECHNICAL SPECIFICATION</b>	<b>CTS 3 – 73</b>
<b>POLYPROPYLENE BUPLENE® HOMOPOLYMER WITH IMPROVED FLOWABILITY 6131 AND 6231</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
			6131	6231	
1.	Melt flow rate at 230°C, loading 2,16 kg, min-max	g/10min	25 - -	16 - 25	ASTM D 1238 EN ISO 1133
2.	Density at 23°C min-max	kg/m <sup>3</sup>	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	29	29	ASTM D 638 EN ISO 527-1
5.	Bending modulus 1% secant min	MPa	1100	1100	ASTM D 790

**Note:** Preparation of the samples for the physical mechanical test-through injection moulding as per ASTM D 4101.

### 2. Product description

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

It is used for textile and paper impregnation and production of monofilaments at high processing rate.

### 3. Method for production and sampling

3.1 It is produced by molecular mass extrusion regulation so called CR-T process.

3.2 Sampling procedure complies with ISO 8213.

### 4. Packages, marking and storage

4.1 Polyethylene bags, each with a mass of the material 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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