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## OKITEN<sup>®</sup> 245 A

### Low Density Polyethylene

#### Material Description

**OKITEN<sup>®</sup> 245 A** is low density polyethylene, without slip agent, intended for extrusion of general purpose blown film of high transparency and gloss.

**OKITEN<sup>®</sup> 245 A** is characterized by excellent processing properties and thermal stability. Extruded film has good mechanical properties.

**OKITEN<sup>®</sup> 245 A** is extruded in temperature range from 145 °C to 170 °C.

Recommended film thickness: 0.025 mm to 0.060 mm.

#### Application

- Thin film having high gloss and transparency intended for film containing no slip agents
- Thick-walled injection moulded products
- Extruded foamed products
- Co-extrusion and mixing with other polyolefin types

| Property <sup>1,2,4</sup>                         | ISO Standard | Value | Unit              |
|---------------------------------------------------|--------------|-------|-------------------|
| Density                                           | 1183         | 0.924 | g/cm <sup>3</sup> |
| Melt Flow Rate                                    | 1133         | 2.3   | g/10 min          |
| VICAT softening temperature                       | 306/ A       | 93    | °C                |
| Tensile strength at yield                         | 527/2        | 10.5  | MPa               |
| Tensile strength at break                         | 527/2        | 13.5  | MPa               |
| Elongation at break                               | 527/2        | 550   | %                 |
| Hardness, Shore                                   | 868          | 47    | Scale D           |
| Melting point (DSC- air)                          | 11357        | 114   | °C                |
| Haze <sup>3</sup>                                 | 14782        | 4     | %                 |
| Friction coefficient: <sup>3</sup> static/dynamic | 8295         | ≥0.4  | -                 |

<sup>1</sup> Typical values that do not represent specification limit values

<sup>2</sup> Test samples obtained by direct press moulding

<sup>3</sup> Film thickness 0.025 mm extruded on a laboratory extruder under standard conditions

<sup>4</sup> Values given are typical and only informative

| Additive | Slip agent | Antiblocking agent | Thermal stabilizer |
|----------|------------|--------------------|--------------------|
|          | no         | no                 | yes                |

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### Storage and Handling

**OKITEN® 245 A** is packed in polyethylene bags of 25 kg stacked up on wooden pallets having total dimensions of 1700 x 1300 x 1100 mm and total mass of 1285 kg (1250 kg net). The pallets are covered and secured with heat shrinkable film. Transport by road tankers is also possible.

**OKITEN® 245 A** should not be exposed to direct sunlight, which can affect its properties. If stored in unfavourable climatic conditions (great temperature variations and high moisture content) moisture can condense in bags.

### Physiological Properties

**OKITEN® 245 A** complies with the requirements of the European Directive 2004/19/EC (an amended edition 2002/72/EC), relating to plastic materials and articles intended to come into contact with foodstuffs. **OKITEN® 245 A** meets the requirements of the European Directive 94/62/EC of the European law on packaging material.

*Material Safety Data Sheet is available on [www.dioki.hr](http://www.dioki.hr)*

### Technical Service

Further information is available to **OKITEN® 245 A** end users at: Tel: ++ 385 1 2483 670; Fax: ++ 385 1 2404 383; E-mail: [dioki@dioki.hr](mailto:dioki@dioki.hr)

### Sale

All information on the sale of DIOKI's products can be obtained from DIOKI's Commercial Department, Tel: ++385 1 2483 000; Fax: ++385 1 2407 362 or ++385 1 2404 975; E-mail: [dioki@dioki.hr](mailto:dioki@dioki.hr), DIOKI d.d., 10 000 Zagreb, Žitnjak bb, CROATIA