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OKITEN® 233 A Low Density Polyethylene

Material Description

OKITEN® 233 A is low density polyethylene, without slip agent, intended for extrusion of general purpose blown film

OKITEN® 233 A is characterized by excellent processing properties and thermal stability. Extruded film has good mechanical properties.

OKITEN® 233 A is extruded in temperature range from 145 °C to 180 °C.

Recommended film thickness: 0.040 mm to 0.100 mm.

Application

- Non-slippery general purpose film with good optical properties
- Heat shrinkable film with excellent stiffness; intended for industrial bundling
- Co-extrusion and mixing with other polyolefin types

Property ^{1,2,4}	ISO Standard	Value	Unit
Density	1183	0.923	g/cm ³
Melt Flow Rate	1133	0.6	g/10 min
VICAT softening temperature	306/ A	96	°C
Tensile strength at yield	527/2	10.0	MPa
Tensile strength at break	527/2	15	MPa
Elongation at break	527/2	770	%
Hardness, Shore	868	46	Scale D
Friction coefficient: ³ static/dynamic	8295	≥0.4	-

¹Typical values that do not represent specification limit values. ²Test samples obtained by direct press moulding

³Films of 0.050 mm in thickness extruded on a industrial extruder under the following conditions: melt temp. = 190 – 215 °C; Die gap= 0.8 mm; Blow up ratio=1:2,5; Frost line height= 530 mm; and cooling conditions = 18°C; Film velocity at the nip roll= 17 m/min

⁴Values given are typical and only informative. The producer reserves the right to change these values at any time.

Additive	Slip agent	Antiblocking agent	Thermal stabilizer
	no	no	yes

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Storage and Handling

OKITEN® 233 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.

OKITEN® 233 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® 233 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® 233 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

Technical Service

Further information is available to **OKITEN® 233 A** end users at: Tel: ++ 385 1 2483 670; Fax: ++ 385 1 2404 383; E-mail: 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, DIOKI d.d., 10 000 Zagreb, Žitnjak bb, CROATIA