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OKITEN[®] 245 S

Low Density Polyethylene

Material Description

OKITEN[®] 245 S is low density polyethylene intended for extrusion of thin blown film having high slip properties.

OKITEN[®] 245 S is characterized by excellent processability and thermal stability; the extruded film exhibits high transparency and very good mechanical properties.

OKITEN[®] 245 S. is extruded in temperature range of 145 °C to 170 °C.

Recommended film thickness: 0.025 mm to 0.060mm.

Application

- Thin slippery film of high gloss and transparency
- Film intended for foodstuff packaging, freezer bags
- Other packaging in food processing industry
- Co-extrusion and mixing with other polyolefin types

Property ^{1,2,4}	ISO Standard	Value	Unit
Density	1183	0.924	g/cm ³
Melt Flow Rate	1133	2.3	g/10 min
VICAT softening temperature	306/ A	94	°C
Tensile strength at yield	527/2	11	MPa
Tensile strength at break	527/2	14	MPa
Elongation at break	527/2	535	%
Hardness, Shore	868	47	Scale D
Melting point (DSC- air)	11357	114	°C
Haze ³	14782	4	%
Friction coefficient: ³ static/dynamic	8295	≤0.11	-

1 Typical values that do not represent specification limit values

2 Test samples obtained by direct press moulding

3 Film thickness 0.025 mm extruded on a laboratory extruder under standard conditions

4 Values given are typical and only informative

Additive	Slip agent	Antiblocking agent	Thermal stabilizer
	yes	no	yes

TPP-19-01-O245Se.2007

Storage and Handling

OKITEN® 245 S 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 S 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 S 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 S** 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® 245 S** 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