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DINALEN[®] 65

Low Density Polyethylene

Material Description

DINALEN[®] 65 is low density polyethylene containing slip and anti-blocking additives. It is intended for thin blow film extrusion. Other processing techniques can be used in less extent.

DINALEN[®] 65 exhibits excellent processability, uniform optical and other properties, depending on its application. It is extruded at temperatures ranging from 140 °C to 165 °C.

DINALEN[®] 65 gives films of desired properties depending on selected processing parameters such as processing temperature and capacity; blowing ratio, and the height of the frost line. Recommended film thickness : 0.020 mm - 0.040 mm.

Application

- Thin slippery film of high gloss and transparency, stable at low temperatures
- Carrier bags
- Freezer bags
- Disposable protective gloves
- Various packaging in food processing industry
- Mixing and co-extrusion with suitable polyolefin grades
- Light-weight and thick-walled injection moulded products

Property ^{1,2,6}	Standard	Value	Unit
Density	ISO 1183	0.922	g/cm ³
Melt flow rate	ISO 1133	3.5	g/10 min
VICAT softening temperature	ISO 306/ A	90	°C
Tensile strength at yield	ISO 527/2	10.0	MPa
Tensile strength at break	ISO 527/2	12.0	MPa
Elongation at break	ISO 527/2	600	%
Hardness, Shore	ISO 868	43	Scale D
Melting point (DSC- air)	ISO 11357	110	°C
Haze ³	ASTM D 2457	2.5	%
Gloss ⁴	ASTM D 2457	65	-
Friction coefficient: ⁵ static/dynamic	ISO 8295	≤0.11	-

¹ Typical values that do not represent specification limit values

² Test samples obtained by direct press moulding

³ Film thickness - 0.038 mm extruded on a laboratory extruder under standard conditions

⁴ Film obtained as under 3, testing at an angle of 45°

⁵ Film as under Item 3

⁶ Values given are typical and are only informative

Additives	Slip Agent	Antiblocking Agent	Thermal Stabilizer
	yes	yes	no

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Storage and Handling

DINALEN® 65 is packed in polyethylene bags of 25 kg stacked up on wooden pallets having total dimensions of 1800 x 1300 x 1100 mm and total mass of 1280 kg (1250 kg net). The pallets are covered and secured with UV-stabilized stretch hood. Transport by road tankers and by ship containers is also possible.

DINALEN® 65 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

DINALEN® 65 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. **DINALEN® 65** 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 **DINALEN® 65** end users at: Tel: ++ 385 1 2483 670; Fax: ++ 385 1 240 4383; 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