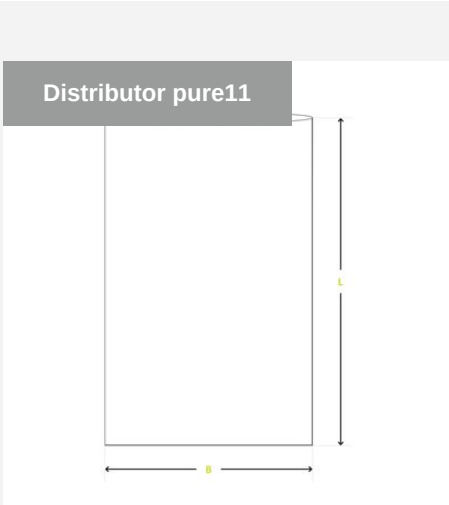

LDPE-Reinraumbeutel

pure[11]-Nr.: 1114221, Marke: Distributor pure11

Eigenschaften

- Breite in mm: 300 mm
- Länge in mm: 500 mm
- Stärke in µm: 100 µm
- Enthält Additive
- Material Packmittel & Entsorgungsbeutel: LDPE
- Antistatikum: Ohne
- Anzahl in kleinster Unterverpackung: 100
- Farbe: Transparent
- Lebensmittelkonformität
- Marke: Distributor pure11

Empfohlene Reinraumklassen

ISO 7 | 8 | 9

GMP C | D

we care

pure[11] GmbH |
Bavariafilmplatz 7 | D-82031 Grünwald
T +49 89 5589434 0
F +49 89 5589434 77
www.pure11.de
info@pure11.de

Material

-

Verpackung

- 500STK

Produktvarianten

pure[11]-Nr.: 1114221, LDPE-Reinraumbeutel

Abmessung: 300 mm x 500 mm (B x L), 100 µm / VE: 500STK

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SABIC® LDPE 2201H1

LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC® LDPE 2201H1 is a grade with a low level of anti block and a medium level of slip agent. The grade has a very good draw down ability. Films based on 2201H1 combine toughness with high tear strength, good optical properties and low CoF.

Application
SABIC® LDPE 2201H1 is typically developed for lamination films, high quality carrier bags and high quality packaging films.

Film properties
Film properties have been measured at film of 50 µm with a BUR of 3.
The film has been produced on Kiefel IBC blown film line with 200 kg/h. Die size 200 mm, die gap 0.8 mm.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

TYPICAL PROPERTY VALUES

Revision 20180807

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	0.85	dg/min	ISO 1133
Density	922	kg/m³	ASTM D1505
OPTICAL PROPERTIES			
Gloss (45°)	65	‰	ASTM D2457
Haze	6	%	ASTM D1003
FILM PROPERTIES			
Impact strength	25	kJ/m	ASTM D4272
Tear strength TD	45	kN/m	ISO 6383-2
Tear strength MD	45	kN/m	ISO 6383-2
Tensile test film			
Stress at break MD	25	MPa	ISO 527-3
Stress at break TD	20	MPa	ISO 527-3
Yield stress MD	11	MPa	ISO 527-3
Yield stress TD	11	MPa	ISO 527-3
Modulus of elasticity TD	170	MPa	ISO 527-3
Tensile test film			
Strain at break TD	>500	%	ISO 527-3
Strain at break MD	>200	%	ISO 527-3
Coefficient of friction	0.15	-	ASTM D1894
Blocking	50	g	SABIC method
Re-blocking	<5	g	SABIC method

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ENVIRONMENT AND RECYCLING

The environmental aspects of any packaging material do not only imply waste issues but have to be considered in relation with the use of natural resources, the preservations of foodstuffs, etc. SABIC considers polyethylene to be an environmentally efficient packaging material. Its low specific energy consumption and insignificant emissions to air and water designate polyethylene as the ecological alternative in comparison with the traditional packaging materials. Recycling of packaging materials is supported by SABIC whenever ecological and social benefits are achieved and where a social infrastructure for selective collecting and sorting of packaging is fostered. Whenever 'thermal' recycling of packaging (i.e. incineration with energy recovery) is carried out, polyethylene -with its fairly simple molecular structure and low amount of additives- is considered to be a trouble-free fuel.

STORAGE AND HANDLING

Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.

DISCLAIMER

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