OKITEN® 222 A

Low Density Polyethylene

DIOKI d.d.

Message:

OKITEN® 222 A is low density polyethylene, without slip agent, intended for extrusion of haevy duty blown film.
OKITEN® 222 A is characterized by excellent processing properties and thermal stability. Extruded film has very good balance of stiffness, mechanical and optical properties.

General Information	
Additive	Heat Stabilizer
Features	Food Contact Acceptable Good Stiffness Good Thermal Stability Heat Stabilized Opticals
Uses	Agricultural Applications Blending Construction Applications Film Heavy-duty Bags Shrink Wrap
Agency Ratings	EC 1907/2006 (REACH) EU 2002/72/EC EU 2004/19/EC EU 94/62/EC
Forms	Pellets
Processing Method	Blown Film Coextrusion Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ISO 1133
Molding Shrinkage [1]			ISO 11501
Across Flow : 140°C, 0.0500 mm	22	%	
Flow : 140°C, 0.0500 mm	74	%	

Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	45		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2
Yield	10.5	MPa	
Break	18.0	MPa	
Tensile Strain (Break)	750	%	ISO 527-2
Coefficient of Friction			ISO 8295
vs. Itself - Dynamic	> 0.40		
vs. Itself - Static	> 0.40		
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	0.050 mm to 0.200 mm		
Tensile Stress			ISO 527-3
MD : Break, 50 µm	23.0	MPa	
TD : Break, 50 µm	21.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm	280	%	
TD : Break, 50 µm	520	%	
Trouser Tear Resistance			ISO 6383-1
MD : 50 µm	110	N/mm	
TD : 50 µm	74.0	N/mm	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	96.0	°C	ISO 306/A
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (20°, 50.0 µm)	36		ASTM D2457
Haze (50.0 µm)	5.0	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	175 to 200	°C	
NOTE			
1.	dimensional change on heating		

Recommended distributors for this material

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