

OKITEN® 245 A

Low Density Polyethylene

DIOKI d.d.

Message:

OKITEN® 245 A is low density polyethylene, without slip agent, intended for extrusion of general purpose blown film of high transparency and gloss. OKITEN® 245 A is characterized by excellent processing properties and thermal stability. Extruded film has good mechanical properties. OKITEN® 245 A is extruded in temperature range from 145°C to 170°C. Recommended film thickness: 0.025 mm to 0.060 mm.

General Information			
Additive	Heat Stabilizer		
Features	Food Contact Acceptable		
	Good Processability		
	Good Thermal Stability		
	Heat Stabilized		
	High Clarity		
	High Gloss		
Uses	Blending		
	Film		
	Foam		
	Thick-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/72/EC		
	EU 2004/19/EC		
	EU 94/62/EC		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Coextrusion		
	Film Extrusion		
	Foam Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	47		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	10.5	MPa	
Break	13.5	MPa	
Tensile Strain (Break)	550	%	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	25	μm	
Film Thickness - Recommended / Available	0.025 mm to 0.060 mm		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ISO 306/A
Melting Temperature	114	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Haze (25.0 μm)	4.0	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	145 to 170	°C	

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