

OKITEN® 245 S
Low Density Polyethylene
 DIOKI d.d. [Web](#)



Product 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.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Availability	• Europe		
Additive	• Heat Stabilizer	• Slip	
Features	• Food Contact Acceptable	• Heat Stabilized	• High Gloss
	• Good Thermal Stability	• High Clarity	• Slip
Uses	• Bags	• Film	
	• Blending	• Food Packaging	
Agency Ratings	• EC 1907/2006 (REACH)	• EU 2004/19/EC	
	• EU 2002/72/EC	• EU 94/62/EC	
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Blown Film	• Film Extrusion	

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	11.0	MPa	
Break	14.0	MPa	
Tensile Strain (Break)	540	%	ISO 527-2
Coefficient of Friction			ISO 8295
vs. Itself - Dynamic	< 0.11		
vs. Itself - Static	< 0.11		
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	94.0	°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	Test Method
Melt Temperature	145 to 170	°C	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.



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Revision History

Added to Prospector: July, 2004

Last Updated: 10/15/2009

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