

DINALEN® 65

Low Density Polyethylene

DIOKI d.d.

Message:

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 to 0.040 mm.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Opticals		
	Slip		
Uses	Bags		
	Blending		
	Film		
	Food Packaging		
	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	Blown Film		
	Coextrusion		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method

Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	43		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	10.0	MPa	
Break	12.0	MPa	
Tensile Strain (Break)	600	%	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	38	μm	
Film Thickness - Recommended / Available	0.020mm to 0.040 mm		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A
Melting Temperature	110	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 μm)	65		ASTM D2457
Haze (38.0 μm)	2.5	%	ASTM D2457
Extrusion	Nominal Value	Unit	
Melt Temperature	145 to 165	°C	

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