

DINALEN® 35

Low Density Polyethylene

DIOKI d.d.

Message:

DINALEN® 35 is low density polyethylene containing additives. It is primarily intended for blow film extrusion while other processing techniques can be used to a lesser extent.

DINALEN® 35 exhibits excellent very good draw-down with good balance of stiffness, mechanical and optical properties of extruded film.

DINALEN® 35 is extruded at recommended melt temperature range between 165°C and 185°C.

Recommended film thickness: 0.030 mm to 0.100 mm.

General Information	
Additive	Antiblock Slip
Features	Antiblocking Food Contact Acceptable Good Processability High Gloss Slip
Uses	Bags Blending Film General Purpose Laminates Packaging
Agency Ratings	EC 1907/2006 (REACH) EU 2002/72/EC EU 2004/1/EC EU 2004/19/EC EU 2005/79/EC EU 2007/19/EC EU 2008/39/EC EU 94/62/EC
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	200	MPa	ISO 527-2/200
Tensile Stress			ISO 527-2/200
Yield, Compression Molded	11.0	MPa	
Break, Compression Molded	16.0	MPa	
Tensile Strain (Break, Compression Molded)	650	%	ISO 527-2/200
Coefficient of Friction			ISO 8295
vs. Itself - Dynamic	< 0.11		
vs. Itself - Static	< 0.13		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Film Thickness - Recommended / Available	0.03 mm to 0.100 mm		
Tensile Strength			ISO 527-3/500
MD : 50 μm, Blown Film	23.0	MPa	
TD : 50 μm, Blown Film	18.0	MPa	
Tensile Elongation			ISO 527-3/500
MD : Break, 50 μm, Blown Film	220	%	
TD : Break, 50 μm, Blown Film	320	%	
Dart Drop Impact (50 μm, Blown Film)	250	g	ISO 7765-1
Trouser Tear Resistance ¹			ISO 6383-1
MD : 50 μm, Blown Film	93.0	N/mm	
TD : 50 μm, Blown Film	58.0	N/mm	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ISO 306/A50
Melting Temperature	114	°C	ISO 11357-3
Optical	Nominal Value		
Gloss			
20°, 50.0 μm, Blown Film	> 50		
60°, 50.0 μm, Blown Film	> 100		
NOTE			
1.	200 mm/min		

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