

## MATERIAL SPECIFICATION

### Barrier Foil Laminate

### NIP30100PE

PET12 // AI9 // LDPE100

Properties	Unit	Method	Value
Thickness	µm		126
Unit weight	g/m <sup>2</sup>		138
Max width	mm		1200
<b>Adhesive system LK427</b>			
- amount per layer	g/m <sup>2</sup>		2.0-3.0
- peel strength	N/m	IPC-TM-650; 2.4.9	1000
<b>Physical and Thermal properties</b>			
Tensile strength of laminate, max load (MD) (TD)	N/mm <sup>2</sup>	IPC-TM-650; 2.4.19c	35
			36
Elongation at break (MD) (TD)	%	IPC-TM-650; 2.4.19c	58
			47
Bursting strength	kN/m <sup>2</sup>	ISO 2578:2001	453
Tearing resistance (MD) (TD)	mN	ISO 1974:1990	1208
			1303
<b>Permeability</b>			
WVTR	ml/m <sup>2</sup> /24 hrs	ASTM F 1249-05	<0.005
O <sub>2</sub> permeability	ml/m <sup>2</sup> /24 hrs	ASTM D 3985-05	<0.05

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