

## MATERIAL SPECIFICATION

### Barrier Foil Laminate

### NIP3075V

PET12 // Al9 // Valeron75

Properties	Unit	Method	Value
Thickness	µm		101
Unit weight	g/m <sup>2</sup>		109
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	60 51
Elongation at break (MD) (TD)	%	IPC-TM-650; 2.4.19c	90 64
Bursting strength	kN/m <sup>2</sup>	ISO 2578:2001	583
Tearing resistance (MD) (TD)	mN	ISO 1974:1990	-* -*
<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

\*The value is higher than machine capacity.

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