

# AGILITY™ EC 7000 Performance LDPE

Low Density Polyethylene Resin  
The Dow Chemical Company

Message:

AGILITY EC 7000 Performance LDPE is a next generation low density polyethylene resin for high speed extrusion coating

Main Characteristics:

Recommended for extrusion at high and low temperatures

Robustness in melt drawing

Performance as sealant polymer

Complies with:

Europe Commission Regulation (EU) No 10/2011

U.S. FDA 21 CFR 177.1520 ( c )2.1

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.9	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	10.0	MPa	ISO 527-2
Tensile Strain (Break)	540	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	110	°C	Internal Method
Extrusion	Nominal Value	Unit	Test Method
Draw Down - from 15 g/m <sup>2</sup> @ 100 m/min <sup>1</sup> (320°C)	500	m/min	Internal Method
Neck-in - 25 g/m <sup>2</sup> @ 100 mpm <sup>2</sup> (320°C)	148.0	mm	Internal Method
NOTE			

1.

Coating onto paper substrate and/or coating web at 250 mm air gap and -15mm nip off-set.
2.

Coating onto paper substrate and/or coating web at 250 mm air gap and -15mm nip off-set.

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