

AGILITY[™] EC 7000 Performance LDPE Low Density Polyethylene Resin

Overview

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.

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Additive • Antiblo	• Slip: No		Processing Aid: No			
Physical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density		0.919	g/cm³	0.919	g/cm³	ASTM D1505
Base Density ¹		0.919	g/cm³	0.919	g/cm³	Dow Method
Melt Index (190°C/2.16 kg)		3.9	g/10 min	3.9	g/10 min	ASTM D1238
Mechanical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Tensile Stress (Break)		1450	psi	10.0	MPa	ISO 527-2
Tensile Strain (Break)		540	%	540	%	ISO 527-2
Thermal		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Melting Temperature		230	°F	110	°C	Dow Method
Extrusion		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Draw Down - from 15 g/m ² (² (608°F (320°C))	@ 100 m/min	1600	ft/min	500	m/min	Dow Method
Neck-in - 25 g/m ² @ 100 mp ² (608°F (320°C))	om	5.8	in	148.0	mm	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Base density is estimated using the assumption that every 1000 ppm of antiblock in the finished product raises the density of the polymer by 0.0006 g/cm³. Base density is the estimated density of the polymer if it did not contain any antiblock.

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

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