

NOVAPOL® LA-0522-A

Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® LA-0522-A is a Low Density Polyethylene material. It is available in North America for extrusion or extrusion coating.

Important attributes of NOVAPOL® LA-0522-A are:

- Food Contact Acceptable
- Good Adhesion
- Good Sealability
- Typical applications include:
 - Additive/Masterbatch
 - Containers
 - Fabrics/Fibers
 - Foam
 - Food Contact Applications

General Information	
Additive	Resin
Features	Foamable
	Food Contact Acceptable
	Good Adhesion
	Good Drawdown
	Good Heat Seal
	Good Stability
	Low Density
Uses	Blending
	Containers
	Fabrics
	Foam
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1 2
Processing Method	Extrusion
	Extrusion Coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.40	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Flexural Modulus - 1% Secant	276	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method

Water Vapor Transmission ¹	17	g/m ² /24 hr	ASTM F1249
Heat Seal Strength ²	550	N/m	ASTM D517
Draw Down Speed	8.1	m/sec	Internal Method
Hot Tack Strength	225.0	g/2.5 cm	Internal Method
Minimum Coating Weight ³	8.0	g/m ²	ASTM D539
Neck-in ⁴	51.0	mm	Internal Method

NOTE

1. Moisture Vapour Transmission Rate, 38°C (100°F), 90% RH on 30 lb Kraft paper samples with a LDPE coating weight of 15 lb/ream.

2. TAPPI test method

3. TAPPI test method

4. 1000 ft/min, both sides

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WECHAT