

Product Data Sheet

SECCO LL0209AA

Linear Low Density Polyethylene



Product Description

LL0209AA is a 1-butylene linear low density polyethylene resin with less gels, good optical performance, excellent tensile and tear resistance, and stable processing performance, which is widely used in blown film field especially for agricultural films, FFS bags and other products. LL0209AA contains no slip agent and anti-block agent.

Typical Applications

Blown Film: FFS (Form-Fill-Seal) packaging, consumer packaging, shed films, liners, laminated films

Typical Property Values

Properties	Typical values	Units	Test methods	
Physical Properties				
Melt Flow Rate (190°C/2.16 kg)	1.0	g/10min	GB/T 3682.1	
Density (non-annealed)	919.0	kg/m ³	Q31/0116000326C001 Appendix D	
Melting Temperature (DSC)	121	°C	GB/T 19466.3	
Film Properties				
Tensile Strength at Yield	MD	10	MPa	GB/T 1040.3
	TD	10	MPa	GB/T 1040.3
Tensile Strength at Break	MD	48	MPa	GB/T 1040.3
	TD	40	MPa	GB/T 1040.3
Tensile Elongation at Break	MD	1000	%	GB/T 1040.3
	TD	1150	%	GB/T 1040.3
Tear Strength	MD	190	g	GB/T 16578.2
	TD	360	g	GB/T 16578.2
Dart Drop Impact Strength		120	g	GB/T 9639.1
Optical Properties				
Transmittance		92	%	GB/T 2410
Haze		8	%	GB/T 2410
Gloss (45°)		62	%	GB/T 8807
Thermal Properties				
Vicat Softening Point (A ₅₀)		99	°C	GB/T 1633

Disclaimer: All information provided in this document, whether it is data, typical applications, product features, etc., is put forward on the basis of research results and is believed to be reliable; However, it is not a guarantee for this product. Users and other users should make their own judgments on whether this product and the contents listed in this document are suitable for its specific use, and be responsible for the risks, results and impacts generated, and ensure that its disposal complies with relevant regulations and other government regulations. Under no circumstances will SECCO be responsible for any consequences arising from the use of the above information or the application and processing of this product.

Notes

- * Film sample used for testing with 30 µm gauge, 2.5 : 1 BUR
- * These are typical properties only and should not be construed as specifications
- * Recommended processing temperature: 160 ~ 190°C
- * The information in this document was published in November 2022. When an updated version is released, the previous version of the same grade is automatically invalid

Product Compliance

LL0209AA complies with GB 4806.6-2016 *National Food Safety Standard-Plastic Resin used in Food-contact*, FDA regulation 21 CFR 177.1520(c) 2.1 and the RoHS Directive 2011/65/EU. Additives those do not comply with national regulations, such as phthalates, are not intentionally used in **LL0209AA**. However, the customer is still responsible for determining whether the fabricated product is in compliance with applicable laws and regulations.

Storage

The storage area for polyethylene resin should be dry, and preferable to normal temperature. The resin must be protected from direct sunlight, and heat resource. SECCO would not give warranty to bad storage conditions which may lead to color change, bad odor and inadequate product performance. It is generally recommended to convert all materials latest within 6 months from the date of delivery.

Safety and Material Handling

SECCO polyethylene resin has a very low degree of toxicity under normal conditions of use. For more detailed information, please contact your SECCO representative or the local suppliers to get the Material Safety Data Sheet (MSDS) for Linear Low Density Polyethylene.

For additional technical and sales assistance, please contact

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