

Product Data Sheet

LEC 1969

Low Density Polyethylene

Product Description

LEC 1969 is the first commercially proven tubular LDPE grade for extrusion coating in Iran. This product is developed as general purpose application in extrusion coating segments. LEC 1969 can be used on low and also very high line speed extrusion coating and lamination processes. When processes on suitable hardware, LEC 1969 exhibits excellent draw down ability, good edge stability and low neck-in. Due to its excellent draw down ability and good adhesion, very thin coating layers can be applied on the substrate.

General Information

Status	Commercial: Active		
Application	Extrusion coating- Laminating- Flexible packaging- Paper coating- Cardboard coating- Aluminum foil coating- Multi-layer packaging.		
Form(s)	Pellet		
Attribute	Outstanding melt stability- Robustness in melt drawing- Light weight and very thin coating layer - High speed production line (more than 300 m/min)- Low neck-in		
Additives	Antioxidant: No	Antiblock : No	Slip Agent : No

Typical Properties	Typical Value ¹	Unit	Test Method
Physical			
MFI (190 °C /2.16 Kg)	6.9	dg/min	ISO 1133
Density ²	919	kg/m ³	ISO 1183
Mechanical ³			
Stress at Yield	11	MPa	ISO 527-1,2
Stress at Break	12	MPa	ISO 527-1,2
Strain at Break	>600	%	ISO 527-1,2
Tensile Modulus	160	MPa	ISO 527-1,2
Yield Stress (MD/TD)	11/11	MPa	ISO 527-1,3
Tensile Stress at Break (MD/TD)	17/17	MPa	ISO 527-1,3
Strain at Break (MD/TD)	> 700	%	ISO 527-1,3
Extrusion Coating	200	MPa	ISO 527-1,3
Minimum Coating Weight ⁴	5	g/m ²	ASPC Method
Neck-in ⁵	140	mm	ASPC Method

Storage

Polyethylene resins should be protected from direct sunlight and/or heat during storage. The storage location should also be dry, dust free and the storage temperature should not exceed 40°C. It is also advisable to process polyethylene resins (in pelletized or powder form) within 4 months after delivery, because excessive aging of polyethylene can lead to a deterioration in quality. Arya Sasol Polymer Company would not give any warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance.

The information provided in this Product Data Sheet has been based upon the current level of knowledge and experience. They are not to be interpreted as a warranty for specific product characteristics. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. Customer is responsible for determining whether the products and the information in this document are appropriate for customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document.

Contact Us

7th Floor, No. 2551, Kian Tower, Naseri St, Vali-e-Asr Ave, Tehran, Iran

Postal Code: 1968643111

P.O. Box: 15875-8393

Tel: (+9821) 85920000

Fax: (+9821) 88645199

E-mail: Marketing@aryasasol.com

For further information about Arya Sasol Polymer Company, please visit: www.aryasasol.com