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ARYA SASOL PETROCHEMICAL COMPANY

## LOW DENSITY POLYETHYLENE LOW DENSITY LDPE1969

LDPE 1969 is a tubular low-density polyethylene grade developed for high-speed extrusion coating and lamination processes. It is suitable for flexible packaging, paper coating, cardboard coating, aluminum foil coating, multi-layer packaging, and food and medical end-use contact.

Producer	Characteristic Properties	Applications
Arya Sasol	Outstanding melt stability, Robustness in melt drawing, Light weight and very thin coating	Extrusion coating- Laminating- Flexible packaging- Paper coating- Cardboard coating Aluminum foil coating- Multi-layer packaging.

### Typical Properties

Resin Properties	Unit	Typical Value	Test Method
MFI (190 °C /2.16 Kg )	g/10min	6.9.	ISO 1133
Density	kg/m3	919	ISO 1183
Stress at Yield	Mpa	11	ISO 527-1,2
Stress at Break	MPa	12	ISO 527-1,2
Strain at Break	%	>600	ISO 527-1,2
Tensile Modulus	MPa	160	ISO 527-1,2
Minimum Coating Weight	g/m2	5	ASPC Method
Vicat Softening Temperature (Method A/10N)	°C	85	ISO 306
Melting Temperature	°C	107	ISO 3146

Extruder temperature profile: 200-320°C

Melt Temperature at T-Die: 320°C