

# Low Density Polyethylene Aramco LDPE E1970

## Product Description

Aramco LDPE E1970 is a low density polyethylene resin which has good bonding strength with various substrates, low neck-in properties and excellent process ability for thinner coating. Aramco LDPE E1970 is not formulated with any additive.

## Typical Applications

Extrusion coating on polyester film, paper, aluminum foil and BOPP film.

Physical properties	Unit	Test Method	Value <sup>(1)</sup>
Melt Flow Rate (190°C/2.16kg)	g/10min	ASTM D1238	7.0
Density	kg/m <sup>3</sup>	ASTM D792	919
Mechanical Properties <sup>(2)</sup>			
Tensile Strength at Break <sup>(3)</sup>	MPa	Petro Rabigh Method	14
Tensile Elongation at Break <sup>(3)</sup>	%	Petro Rabigh Method	550
Stiffness	MPa	ASTM D747	165
ESCR	h	ASTM D1693	1.9
Thermal Properties			
Vicat Softening Point <sup>(2)</sup>	°C	ASTM D1525	86
Melting Point	°C	Petro Rabigh Method	106

(1) Typical values only, not to be construed as specification limits

(2) Test specimen preparation method: compression

(3) Test speed: 200mm/min

**Processing conditions:** Typical processing temperature is 300 - 340 °C.

**Storage and handling:** Aramco LDPE E1970 should be stored in a dry and cool place with an adequate ventilation and shall be protected from UV-light at a temperature below 50 °C.

**Regulations:** Detailed information is provided in Safety Data Sheet and for additional specific information, please contact Saudi Aramco Products Trading Company for certificates.

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