

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