

Product Data Sheet

SUMITOMO POLYETHYLENE LDPE

L705

Low Density, Extrusion Coating

Applications	Extrusion coating for OPA/OPP film, kraft paper, aluminium, and PE woven cloth.
Characteristics	Produced using autoclave process, easy processing, excellent neck-in property, good processability, adhesion to base material, and sealing property. Contains no thermal stabiliser, slip, or antiblock additives.
Typical Processing Conditions	Extrusion temperature : 280°C - 340°C Chill roll temperature : 20°C - 40°C Air gap : 70mm - 150mm

Typical Properties

Physical		Value	Unit	Method
Melt Flow Rate	2.16kg	7	g/10min	ISO 1133
Density		0.919	g/cm ³	ISO 1183
Mechanical		Value	Unit	Method
Tensile Strength	at Break	14	MPa	ASTM D638
Tensile Elongation	at Break	550	%	ASTM D638
Flexural Modulus		165	MPa	ASTM D747
Thermal		Value	Unit	Method
Vicat Softening Temperature		86	°C	ASTM D1525
Melting Temperature		106	°C	DSC, Internal
Other		Value	Unit	Method
ESCR		1.9	hour	ASTM D1693

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications, actual test results may vary
Test pieces preparation method : compression, test speed : 200mm/min

Manufacturer

L705 is manufactured in Saudi Arabia by Rabigh Refining & Petrochemical Co. (Petro Rabigh).
Petro Rabigh is an ISO 9001, ISO 14001, and ISO 45001 certified company.

Regulatory Compliances

Unmodified L705 complies with the requirements of,

- US FDA Regulation 21 CFR 177.1520 and its amendments
- EU Commission Regulation 10/2011 (PIM) and its amendments

Please contact your nearest SCE representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2011/65/EC, and its amendments, on RoHS in electrical and electronic equipment are not used in the manufacturing process, and are therefore not expected to be present in the product.

Storage and Handling

L705 is supplied in 25kg bags or in bulk containers. It is advisable to store in a well-ventilated storage facility, protected from rain, direct exposure to sunlight, temperature, and dust.

Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance, and odour characteristic of the resin.

It is recommended to process L705 within 6 months upon receipt.

Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment

SCE prioritises environmental management in all our operations in responsibility and respect towards the community and the environment.

Unmodified L705 is readily recyclable, both for reuse via reprocessing and for energy reclamation through incineration. If disposed in landfills, our products, which are inert materials, do not pose pollution risks since they do not generate gaseous or liquid emissions.

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