

Product Data Sheet

SUMITOMO POLYETHYLENE LLDPE

FS350A

Linear Low Density, Cast Film

Applications	For lamination film, stretch film, and other general purpose film applications. Also for wire and cable applications.
Characteristics	High strength film, non-slip with excellent transparency and processability.
Typical Processing Conditions	Extrusion temperature : 200°C - 280°C

Typical Properties

Physical		Value	Unit	Method
Melt Index	2.16kg	3.1	g/10min	ASTM D1238
Density		0.922	g/cm ³	ASTM D792-A
Thermal		Value	Unit	Method
Melting Temperature		121	°C	DSC
Film		Value	Unit	Method
Tensile Strength at Break	MD / TD	40 / 25	MPa	ASTM D882
Tensile Elongation at Break	MD / TD	680 / 870	%	ASTM D882
Tensile Modulus, 1% Secant	MD / TD	165 / 165	MPa	ASTM D882
Elmendorf Tear Strength	MD / TD	70 / 215	g	ASTM D1922
Dart Drop Impact		75	g	ASTM D1709
Haze		0.6	%	ASTM D1003
Gloss	45°	145	%	ASTM D2457

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 condition : as per ASTM D4976.

Cast film processing condition : extruder ø55mm, die width 600mm, die gap 1.2mm, extrusion temperature 280°C, chill roll temperature 30°C, output 50kg/hr, line speed 75m/min, thickness 20µm.

Manufacturer

FS350A is manufactured in Saudi Arabia by Rabigh Refining & Petrochemical Co. (Petro Rabigh). Petro Rabigh is an ISO 9001, ISO 14001, and OHSAS 18001 certified company.

Food Contact Application

Unmodified FS350A complies with the US FDA Regulation 21 CFR 177.1520 as well as with the EU Commission Regulation 10/2011, and their respective amendments, for use in direct contact with food. Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2002/95/EC on RoHS in electrical and electronic equipment are not used in the manufacturing process of FS350A and are therefore not expected to be present.

Storage and Handling

FS350A is supplied in 25kg bags or in bulk containers depending on packaging options available for different markets. 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 odor characteristic of the resin.

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

Disposal and the Environment

SCA prioritizes environmental management in all our operations in responsibility and respect towards the community and the environment.

Unmodified FS350A 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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Disclaimer

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