

PROVISIONAL PRODUCT DATA SHEET

SA111/SA110

Linear Low Density, Blown Film

Applications For heavy duty bag, lamination film, stretch film, and other general Purpose film applications

Characteristics High strength film, slip and non-slip with excellent processability
For Higher transparency, blending with LDPE is recommended.

Typical Processing Conditions Melt Temperature 180-220°C
Blow-up Ratio 2-3

Typical Properties

PHYSICAL		VALUE	UNIT	METHOD
Melt Index	2.16kg	0.9 to 1.1	g/10min	ASTMD1238
Density		0.921	g/cm ³	ASTMD792-A
THERMAL		VALUE	UNIT	METHOD
Vicat Softening Temperature	10N	100	°C	ASTMD1525A
Melt Temperature		121	°C	DSC
Crystallisation Temperature		108	°C	DSC
Brittleness Temperature		<-50	°C	ASTMD746
FILM		VALUE	UNIT	METHOD
Tensile Strength at Break	MD/TD	38/31	MPa	ASTMD882
Tensile Elongation at Break	MD/TD	690/750	%	ASTMD882
Tensile Modulus, 1% Secant	MD/TD	215/260	MPa	ASTMD882
Elmendorf Tear Strength	MD/TD	160/345	g	ASTMD1922
Blocking Load		35	g/100cm ²	ASTMD3354*
Coefficient of Friction, Exterior	μ_s/μ_k	0.8/0.9		ASTMD1894
Dart Drop Impact		125	g	ASTMD1709
Haze		16	%	Astmd1003
Gloss	45°	70	%	ASTMD2457

The Values shown are typical valued 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 D 4976 AND ISO 1872-2.

Blown Film extruder ϕ 55mm, die ϕ 125mm, die gap 2.0mm, extrusion temperature 190 °C , Output 25kg/hr, BUR 2.0, thickness 30 μ m.