

YUCLAIR FN810

YUCLAIR FN810 is octene LLDPE designed for use in a wide range of industrial film applications.

YUCLAIR FN810 shows excellent tensile strength, tear strength, and impact strength.

And outstanding clarity and good processability make YUCLAIR FN810 an ideal choice for film application when blended with conventional LDPEs.

YUCLAIR FN810 can be processed readily into blown film using standard extrusion techniques.

YUCLAIR FN810 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / industrial film, Food and Non-Food Packaging

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Index	0.9	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	50	μm	ASTM D746
Softening Point(Vicat)	102	°C	ASTM D1525
Tensile Strength at Yield(MD)	120	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	110	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	550	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	500	kg/cm ²	ASTM D882

ISO 9001 Certified



Elongation at Break(MD)	700	%	ASTM D882
Elongation at Break(TD)	800	%	ASTM D882
Tear Strength(MD)	18	g/μm	ASTM D1922
Tear Strength(TD)	23	g/μm	ASTM D1922
Dart Impact Strength	250	g	ASTM D1709A
Haze	17	%	ASTM D1003

Notes

These are **typical values** and are **not be construed as specifications**. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

