



Data Sheet

Date Prepared:

YUCLAIR FN840

YUCLAIR FN840 is octene LLDPE designed for use in a wide range of industrial film applications.

YUCLAIR FN840 shows excellent tensile strength, tear strength, and impact strength.

And outstanding clarity and good processability make YUCLAIR FN840 an ideal choice for film application when blended with conventional LDPEs.

YUCLAIR FN840 can be processed readily into blown film using standard extrusion techniques.

YUCLAIR FN840 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / Industrial, 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
Additives	Slip, A/B		SK Method

Physical Properties

	Value	Unit	Test Method
Film Thickness	50	µm	ASTM D746
Tensile Strength at Break(MD)	540	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	500	kg/cm ²	ASTM D882
Elongation at Break(MD)	680	%	ASTM D882
Elongation at Break(TD)	800	%	ASTM D882

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Haze	18	%	ASTM D1003
Spencer Impact Strength	12	Kg·cm	ASTM D3420
Elmendorf Tear Strength(MD)	18	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	23	g/μm	ASTM D1922

Notes :

Film Extrusion Condition : Screw dia 50, Die dia 150, BUR 2.2

Temp : Screw 170-190-190 Die 190-195

Die gap 1.8, Screw RPM 45, L/S 7.2

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

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