

YUCLAIR FN800M

YUCLAIR FN800M is octene LLDPE designed for use in a wide range of industrial film applications.

YUCLAIR FN800M shows excellent tensile strength, tear strength and stiffness.

YUCLAIR FN800M can be processed readily into blown film using standard extrusion techniques.

YUCLAIR FN800M 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	0.935	g/cm ³	ASTM D1505
Melt Index	1.0	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	50	µm	ASTM D746
Tensile Strength at Break(MD)	550	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	500	kg/cm ²	ASTM D882
Elongation at Break(MD)	600	%	ASTM D882
Elongation at Break(TD)	650	%	ASTM D882
Haze	20	%	ASTM D1003
Dart Impact Strength	110	g	ASTM D1709A



Elmendorf Tear Strength(MD)	3	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	17	g/μm	ASTM D1922

Note :

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 specific limits.

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