Data Sheet

LLDPE FN812

YUCLAIR FN812 is octene-1 copolymer designed for use in dry lamination film application. YUCLAIR FN812 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FN812 shows superior tensile strength, tear strength, gel-free, antiblock and sealibility. YUCLAIR FN812 contains optimum of additives and is thus ideally suitable as a LLDPE resin for lamination film. YUCLAIR FN812 can be processed readily into blown film using standard extrusion techniques. YUCLAIR FN812 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / Advanced packaging, industrial film

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm³	ASTM D1505
Melt Index	0.9	g/10min	ASTM D1238
Additives	S, A/B		SK Method

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/cm²	ASTM D882
Tensile Strength at Yield(TD)	110	kg/cm²	ASTM D882
Tensile Strength at Break(MD)	550	kg/cm²	ASTM D882

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Tensile Strength at Break(TD)	500	kg/cm²	ASTM D882
Elongation at Break(MD)	700	%	ASTM D882
Elongation at Break(TD)	800	%	ASTM D882
Tear Strength(MD)	15	g/μm	ASTM D1922
Tear Strength(TD)	20	g/μm	ASTM D1922
Spencer Impact Strength	13	kg·cm	ASTM D3420
Haze	11	%	ASTM D1003
Brittleness Temperature	<-80	°C	ASTM D746

These are typical properties only, and are not to be construed as specific limits.

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

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