

## YUCLAIR FN410



Product Group ▶ Polyethylene ▶ LLDPE ▶ Film

YUCLAIR FN410 is butene-1 copolymer designed for use in general purpose no slip film application. YUCLAIR FN410 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FN410 shows superior tensile strength, tear strength, gel-free, antiblock and sealability. Outstanding clarity and good processibility make this resin an ideal choice for film application when blended with conventional LDPE. YUCLAIR FN410 can be processed readily into blown film using standard extrusion techniques. YUCLAIR FN410 complies with FDA regulations in 21 CFR177.1520 for all food contact.

### Application / Use case

Film / agriculture, general purpose, industrial

Term / Item	Value	Unit	Test Method ASTM
Density	0.919	g/cm <sup>3</sup>	D1505
Melt Index	1.0	g/10min	D1238
Additives	A/B		SK Method
Film Thickness	50	μm	D 746
Softening Point(Vicat)	102	℃	D1525
Tensile Strength at Yield(MD)	120	kg/cm <sup>2</sup>	D 882
Tensile Strength at Yield(TD)	110	kg/cm <sup>2</sup>	D 882
Tensile Strength at Break(MD)	430	kg/cm <sup>2</sup>	D 882
Tensile Strength at Break(TD)	360	kg/cm <sup>2</sup>	D 882
Elongation at Break(MD)	750	%	D 882
Elongation at Break(TD)	850	%	D 882
Tear Strength(MD)	5	kg/cm	D1004
Tear Strength(TD)	12	kg/cm	D1004
Tensile Modulus(MD)	2,000	kg/cm <sup>2</sup>	D 882
Tensile Modulus(TD)	2,500	kg/cm <sup>2</sup>	D 882
Brittleness Temperature	< -70	℃	D 746



Spencer Impact Strength	10	kg·cm	D3420
<u>Haze</u>	20	%	D1003

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

