

YUCLAIR® FN410

Linear Low Density Polyethylene

SK Global Chemical

Message:

YUCLAIR FN410 is butene-1 copolymer designed for use in food wrap 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, cling property. 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.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	Good Tear Strength		
	High Clarity		
	High Tensile Strength		
Uses	Film		
	Food Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D746
Tensile Strength			ASTM D882
MD : Yield	11.8	MPa	
TD : Yield	10.8	MPa	
MD : Break	42.2	MPa	
TD : Break	35.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	750	%	
TD : Break	850	%	
Elmendorf Tear Strength			ASTM D1922
MD	49.0	kN/m	
TD	117.7	kN/m	
Spencer Impact	0.981	J	ASTM D3420

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	102	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze	20	%	ASTM D1003

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