

# YUCLAIR® FT610

Linear Low Density Polyethylene

SK Global Chemical

## Message:

YUCLAIR FT610 is octene-1 and butene-1 copolymer designed for use in stretch wrap and casting type packaging film application. YUCLAIR FT610 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FT610 shows superior tensile strength, tear strength, impact strength, gel-free, cling property. YUCLAIR FT610 can be processed readily into casting film using standard extrusion techniques. YUCLAIR FT610 complies with FDA regulations in 21 CFR177.1520 for all food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Tear Strength		
	High Cling		
	High Impact Resistance		
	High Tensile Strength		
Uses	Cast Film		
	Film		
	Packaging		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D746
Tensile Strength			ASTM D882
MD : Yield,30 µm	10.8	MPa	
TD : Yield,30 µm	10.8	MPa	
MD : Break, 30 µm	39.2	MPa	
TD : Break, 30 µm	35.3	MPa	
Tensile Elongation			ASTM D882
MD : Break, 30 µm	700	%	
TD : Break, 30 µm	750	%	
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm	300	g	
TD : 30 µm	360	g	

Spencer Impact (30.0 μm)	0.588	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	2.0	%	ASTM D1003

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