

YUCLAIR® FT850

Linear Low Density Polyethylene
SK Global Chemical

Message:

YUCLAIR® FT850 is a linear low density polyethylene product. It is available in North America, Europe or Asia Pacific. Typical application areas are: food contact applications.

General Information			
Agency Ratings		FDA 21 CFR 177.1520	
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Tensile Strength			ASTM D882
MD: Yield	10.8	MPa	ASTM D882
TD: Yield	10.8	MPa	ASTM D882
MD: Fracture	45.1	MPa	ASTM D882
TD: Fracture	42.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	800	%	ASTM D882
TD: Fracture	830	%	ASTM D882
Spencer Impact	0.588	J	ASTM D3420
Tear Strength			ASTM D1922
MD	166.7	kN/m	ASTM D1922
TD	176.5	kN/m	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	102	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190	°C	
Cylinder Zone 3 Temp.	230	°C	
Cylinder Zone 5 Temp.	230	°C	
Die Temperature	230	°C	
Extrusion instructions			

Film Extrusion Condition: Screw dia 50, Die width 450Die gap 0.8, Screw RPM 31, L/S 7

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Recommended distributors for this material

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