

YUCLAIR® FU149S

Linear Low Density Polyethylene

SK Global Chemical

Message:

YUCLAIR® FU149S is a linear low density polyethylene product. It is available in North America, Europe or Asia Pacific. Typical application areas are: food contact applications.

Features include:

Antiblock software

slide

General Information			
Additive	Anti-caking agent slip agent		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Strength			ASTM D882
MD: Yield	11.8	MPa	ASTM D882
TD: Yield	10.8	MPa	ASTM D882
MD: Fracture	42.2	MPa	ASTM D882
TD: Fracture	35.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	750	%	ASTM D882
TD: Fracture	850	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD	49.0	kN/m	ASTM D1922
TD	117.7	kN/m	ASTM D1922
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
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 5 Temp.	190	°C	

Die Temperature	190 - 195	°C
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Extrusion instructions

Film Extrusion Condition: Screw dia 50, Die dia 150, BUR 2.2Die gap 1.8, Screw RPM 45 L/S 7.2

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