

SCLAIR® FP112-A

Very Low Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® FP112-A is a Very Low Density Polyethylene material. It is available in North America for film extrusion.

Important attributes of SCLAIR® FP112-A are:

- Antioxidant
- Food Contact Acceptable
- Good Aesthetics
- Good Sealability
- Good Toughness
- Typical applications include:
 - Coating Applications
 - Film
 - Food Contact Applications
 - Packaging

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Toughness		
	Low Density		
	Low Gel		
	Low Temperature Heat Sealability		
	Octene Comonomer		
Uses	Opticals		
	Film		
	Food Packaging		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.912	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 51 µm, Blown Film	114	MPa	
1% Secant, TD : 51 µm, Blown Film	123	MPa	

Tensile Strength			ASTM D882
MD : Yield,51 µm, Blown Film	7.00	MPa	
TD : Yield,51 µm, Blown Film	7.00	MPa	
MD : Break, 51 µm,Blown Film	49.0	MPa	
TD : Break, 51 µm,Blown Film	54.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm,Blown Film	640	%	
TD : Break, 51 µm,Blown Film	890	%	
Dart Drop Impact (51 µm, Blown Film)	> 1000	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm, Blown Film	710	g	
TD : 51 µm, Blown Film	1000	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 51.0 µm, Blown Film)	63		ASTM D2457
Haze (51.0 µm, Blown Film)	8.7	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Low Friction Puncture - Blown Film (51.0 µm)	620	J/cm	

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Recommended distributors for this material

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