SCLAIR® FP120-DD

Linear Low Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® FP120-DD is a Linear Low Density Polyethylene material. It is available in North America for coextrusion or film extrusion.
Important attributes of SCLAIR® FP120-DD are:
Antiblock
Antioxidant
Food Contact Acceptable
Good Processability
Good Sealability
Typical applications include:
Coating Applications
Film
Food Contact Applications
Packaging

General Information	
Additive	Antiblock (2500 ppm) Antioxidant Processing Aid Slip (1000 ppm)
Features	Antiblocking Antioxidant Food Contact Acceptable Good Heat Seal Good Processability Good Toughness High Strength Low Density Low Gel Slip
Uses	Film Food Packaging Laminates
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a
Processing Method	Coextrusion Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm³	ASTM D792

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	25	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	175	MPa	
1% Secant, TD : 25 µm, Blown Film	195	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	10.0	MPa	
TD : Yield,25 µm, Blown Film	10.0	MPa	
MD : Break, 25 µm,Blown Film	48.0	MPa	
TD : Break, 25 µm,Blown Film	32.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	480	%	
TD : Break, 25 µm,Blown Film	670	%	
Dart Drop Impact (25 µm, Blown Film)	270	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	420	g	
TD : 25 µm, Blown Film	610	g	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm, Blown Film)	59		ASTM D2457
Haze (25.0 µm, Blown Film)	10	%	ASTM D1003
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Low Friction Puncture [1] (25.0 µm)	360	J/cm	Internal Method
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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