SCLAIR® FP026-F

Linear Medium Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® FP026-F is a Linear Medium Density Polyethylene material. It is available in North America for film extrusion.
Important attributes of SCLAIR® FP026-F are:
Antiblock
Antioxidant
Food Contact Acceptable
Good Processability
Good Sealability
Typical applications include:
Bags/Liners
Construction Applications
Film
Food Contact Applications
Industrial Applications

General Information	
Additive	Antiblock (3500 ppm) Antioxidant Processing Aid
Features	Antiblocking Food Contact Acceptable Good Heat Seal Good Processability Good Stiffness Good Strength Good Toughness Medium Density Octene Comonomer
Uses	Bags Construction Applications Film Industrial Applications Liners Packaging
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a
Forms	Pellets
Processing Method	Film Extrusion

Physical	Nominal Value	Unit	Test Method

Specific Gravity	0.926	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
	25		
Film Thickness - Tested	76	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	234	MPa	
1% Secant, MD : 76 µm, Blown Film	230	MPa	
1% Secant, TD : 25 µm, Blown Film	251	MPa	
1% Secant, TD : 76 µm, Blown Film	260	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	11.0	MPa	
MD : Yield,76 µm, Blown Film	12.0	MPa	
TD : Yield,25 µm, Blown Film	12.0	MPa	
TD : Yield,76 µm, Blown Film	12.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	490	%	
MD : Break, 76 µm,Blown Film	630	%	
TD : Break, 25 µm,Blown Film	710	%	
TD : Break, 76 µm,Blown Film	680	%	
Dart Drop Impact			ASTM D1709A
25 µm, Blown Film	160	g	
76 µm, Blown Film	450	g	
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	300	g	
MD : 76 µm, Blown Film	1100	g	
TD : 25 µm, Blown Film	750	g	
TD : 76 µm, Blown Film	1500	g	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
45°, 25.4 µm, Blown Film	50		
45°, 76.2 µm, Blown Film	61		
Haze			ASTM D1003
25.4 µm, Blown Film	14	%	
76.2 µm, Blown Film	17	%	
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Low Friction Puncture - Blown Film			Internal Method
25.4 µm	250	J/cm	
76.2 µm	200	J/cm	

Recommended distributors for this material

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