

NOVAPOL® PF-0118 Series

Linear Low Density Polyethylene

NOVA Chemicals

Message:

- PF-0118-B (750 ppm Slip, 3150 ppm Antiblock): Trash bags, liners, general packaging
- PF-0118-C (5100 ppm Antiblock): Industrial liners, heavy duty bags
- PF-0118-D (1500 ppm Slip, 6300 ppm Antiblock): Trash bags, garment film, bags-on-roll
- PF-0118-F (Process Antioxidant only): Stretch wrap, blend resin, industrial packaging

General Information			
Additive	PF-0118-D: Antiblock (6300 ppm); Antiblock (1500 ppm)		
	PF-0118-C: Antiblock (5100 ppm)		
	PF-0118-B: Antiblock (3150 ppm); Slip (750 ppm)		
	PF-0118-F: Processing Stabilizer		
Features	Antiblocking		
	Antioxidant		
	Food Contact Acceptable		
	Good Strength		
	Good Toughness		
	Slip		
Uses	Bags		
	Blending		
	Film		
	Heavy-duty Bags		
	Industrial Applications		
	Liners		
	Packaging		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	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	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	200	MPa	

1% Secant, TD : 25 µm, Blown Film	230	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	11.0	MPa	
TD : Yield,25 µm, Blown Film	11.0	MPa	
MD : Break, 25 µm,Blown Film	49.0	MPa	
TD : Break, 25 µm,Blown Film	34.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	540	%	
TD : Break, 25 µm,Blown Film	830	%	
Dart Drop Impact (25 µm, Blown Film)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	100	g	
TD : 25 µm, Blown Film	330	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	56		ASTM D2457
Haze (25.0 µm, Blown Film)	11	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture - Blown Film (25.0 µm)	340	J/cm	Internal Method

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