NOVAPOL® PF-0218 Series

Linear Low Density Polyethylene

NOVA Chemicals

Message:

PF-0218-B (750 ppm Slip, 3150 ppm Antiblock): Trash bags, liners, general packaging
PF-0218-D (1500 ppm Slip, 6300 ppm Antiblock): Industrial liners, heavy duty bags
PF-0218-F (Process antioxidant only): Stretch wrap, blend resin, industrial packaging

General Information			
Additive	PF-0218-B: Antiblock (3150 ppm); Slip (750 ppm) PF-0218-D: Antiblock (6300 ppm); Slip (1500 ppm) PF-0218-F: Antioxidant		
Features	Antiblocking Butene Comonomer Food Contact Acceptable Good Processability Good Strength Good Toughness Low Density Slip		
Uses	Bags Blending Film 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/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	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	170	MPa	
1% Secant, TD : 25 µm, Blown Film	190	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	32.0	MPa	
TD : Break, 25 µm,Blown Film	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	660	%	
TD : Break, 25 µm,Blown Film	700	%	
Dart Drop Impact (25 µm, Blown Film)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	110	g	
TD : 25 µm, Blown Film	330	g	

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	43		ASTM D2457
Haze (25.0 µm, Blown Film)	14	%	ASTM D1003

Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture - Blown Film (25.0 µm)	290	J/cm	Internal Method

Recommended distributors for this material

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