

NOVAPOL® TF-0119 Series

Linear Low Density Polyethylene

NOVA Chemicals

Message:

TF-0119-D (1500 ppm Slip, 6300 ppm Antiblock): Thin films, premium trash bags, ice bags

TF-0119-F (Process antioxidant only): Stretch wrap, blend resin

General Information			
Additive	TF-0119-F: Antioxidant		
	TF-0119-D: High Antiblock; High Slip		
Features	Antiblocking		
	Antioxidant		
	Food Contact Acceptable		
	Good Toughness		
	Hexene Comonomer		
	High Strength		
	Low Density		
	Low Gel		
	Slip		
Uses	Bags		
	Blending		
	Film		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a 2		
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	170	MPa	
1% Secant, TD : 25 µm, Blown Film	200	MPa	ASTM D882
Tensile Strength			
MD : Yield,25 µm, Blown Film	10.0	MPa	
TD : Yield,25 µm, Blown Film	11.0	MPa	
MD : Break, 25 µm,Blown Film	44.0	MPa	

TD : Break, 25 µm,Blown Film	38.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	540	%	
TD : Break, 25 µm,Blown Film	820	%	
Dart Drop Impact (25 µm, Blown Film)	230	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	410	g	
TD : 25 µm, Blown Film	650	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	50		ASTM D2457
Haze (25.0 µm, Blown Film)	12	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture - Blown Film (25.0 µm)	500	J/cm	Internal Method

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