

NOVAPOL® TF-Y826 Series

Linear Low Density Polyethylene

NOVA Chemicals

Message:

TF-Y826-CP (6000 ppm Antiblock): Industrial bags, industrial packaging

TF-Y826-D (1280 ppm Slip, 3200 ppm Antiblock): Premium trash bags, bags-on-roll

General Information			
Additive	TF-Y826-CP: Antiblock (6000 ppm)		
	TF-Y826-D: Antiblock (3200 ppm); Slip (1280 ppm)		
Features	Antiblocking		
	Antioxidant		
	Food Contact Acceptable		
	Good Stiffness		
	Good Toughness		
	Hexene Comonomer		
	High Strength		
	Low Density		
	Slip		
Uses	Bags		
	Industrial Applications		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a 2		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm ³	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
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	270	MPa	
1% Secant, TD : 25 µm, Blown Film	310	MPa	ASTM D882
Tensile Strength			
MD : Yield,25 µm, Blown Film	13.0	MPa	
TD : Yield,25 µm, Blown Film	14.0	MPa	
MD : Break, 25 µm,Blown Film	50.0	MPa	
TD : Break, 25 µm,Blown Film	43.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	570	%	
TD : Break, 25 µm,Blown Film	850	%	
Dart Drop Impact (25 µm, Blown Film)	130	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	260	g	
TD : 25 µm, Blown Film	580	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	57		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)	380	J/cm	Internal Method

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