

NOVAPOL® TD-9022 Series

Linear Low Density Polyethylene

NOVA Chemicals

Message:

TD-9022-C (6000 ppm Antiblock): Industrial liners, heavy duty sheeting, heavy duty packaging

TD-9022-D (1500 ppm Slip, 6300 ppm antiblock): Retail trash bags

General Information			
Additive	TD-9022-D: Antiblock; Slip		
	TD-9022-C: Antiblock		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processing Stability		
	Good Toughness		
	Hexene Comonomer		
	High Strength		
	Slip		
Uses	Bags		
	Liners		
	Packaging		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a 2		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	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	180	MPa	
1% Secant, TD : 25 µm, Blown Film	190	MPa	ASTM D882
Tensile Strength			
MD : Yield, 25 µm, Blown Film	9.00	MPa	
TD : Yield, 25 µm, Blown Film	9.00	MPa	
MD : Break, 25 µm, Blown Film	47.0	MPa	
TD : Break, 25 µm, Blown Film	42.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	450	%	
TD : Break, 25 µm,Blown Film	820	%	
Dart Drop Impact (25 µm, Blown Film)	450	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	470	g	
TD : 25 µm, Blown Film	600	g	
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture ¹ (25.0 µm)	440	J/cm	Internal Method
NOTE			
1.	Blown Film		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

