

NOVAPOL® HF-W952-A

High Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® HF-W952-A is a High Density Polyethylene material. It is available in North America for film extrusion.

Important attributes of NOVAPOL® HF-W952-A are:

- Antioxidant
- Food Contact Acceptable
- High Molecular Weight
- High Stiffness
- High Strength
- Typical applications include:
 - Additive/Masterbatch
 - Bags/Liners
 - Coating Applications
 - Film
 - Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Drawdown		
	High Molecular Weight		
	High Stiffness		
	High Strength		
	Homopolymer		
Uses	Bags		
	Blending		
	Film		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	18	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 18 µm, Blown Film	746	MPa	
1% Secant, TD : 18 µm, Blown Film	884	MPa	

Tensile Strength			ASTM D882
MD : Yield, 18 µm, Blown Film	27.0	MPa	
TD : Yield, 18 µm, Blown Film	26.0	MPa	
MD : Break, 18 µm, Blown Film	50.0	MPa	
TD : Break, 18 µm, Blown Film	44.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 18 µm, Blown Film	470	%	
TD : Break, 18 µm, Blown Film	580	%	
Dart Drop Impact (18 µm, Blown Film)	83	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 18 µm, Blown Film	16	g	
TD : 18 µm, Blown Film	79	g	
Additional Information	Nominal Value	Unit	Test Method
Low Friction Puncture ¹ (18.0 µm)	260	J/cm	Internal Method
NOTE			
1.	Blown Film		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

