

Exelene® HDPE 7000

High Density (HMW) Polyethylene

Montachem International, Inc.

Message:

Exelene® HDPE 7000 is a High Density (HMW) Polyethylene product. It can be processed by blown film or film extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® HDPE 7000 include bags/liners, film, food contact applications and sealing applications. Primary characteristic: food contact acceptable.

General Information			
Features	Bimodal Molecular Weight Distribution		
	Food Contact Acceptable		
Uses	Bags		
	Film		
	Seals		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg	8.5	g/10 min	
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882A
2% Secant, MD	793	MPa	
2% Secant, TD	965	MPa	
Tensile Strength ²			ASTM D882A
MD : Yield	29.6	MPa	
TD : Yield	26.9	MPa	
MD : Break	62.1	MPa	
TD : Break	28.3	MPa	
Tensile Elongation ³			ASTM D882A
MD : Break	300	%	
TD : Break	410	%	
Dart Drop Impact ⁴ (970 µm)	210	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	14	g	
TD	25	g	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	DSC
NOTE			
1.	5.1 mm/min		
2.	510 mm/min		
3.	510 mm/min		
4.	F50		

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

