

Formolene® HF3728

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® HF3728 is a medium density resin that provides an excellent overall balance of tensile, impact, and tear properties in thin film. Processing performance is excellent on high stalk lines.

Formolene® HF3728 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Tear Strength		
	High Tensile Strength		
	Medium Density		
	Medium Molecular Weight		
Uses	Film		
	Liners		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.30	g/10 min	
190°C/21.6 kg ¹	20	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength ²			ASTM D882
MD : Yield, 25 µm, Blown Film	21.4	MPa	
TD : Yield, 25 µm, Blown Film	21.4	MPa	
MD : Break, 25 µm, Blown Film	42.1	MPa	
TD : Break, 25 µm, Blown Film	42.1	MPa	
Tensile Elongation ³			ASTM D882
MD : Break, 25 µm, Blown Film	500	%	
TD : Break, 25 µm, Blown Film	600	%	
Dart Drop Impact (25 µm, Blown Film)	130	g	ASTM D1709

Elmendorf Tear Strength		ASTM D1922
MD : 25 μ m, Blown Film	50	g
TD : 25 μ m, Blown Film	500	g
NOTE		
1.	HLMI	
2.	51 mm/min	
3.	51 mm/min	

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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

