


Formosa Plastics®
Formolene® HDPE

Formolene® HF3728

Medium Molecular Weight High Density Polyethylene (MMW-HDPE) Resin Designed For Film Extrusion Applications

Formolene® HF3728 is a medium density resin that provides an excellent 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.

Suggested Applications:

Trash Can Liners

Produce

Merchandise

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Density	D1505	g/cc	0.937	g/cc	0.937
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.30	g/10 min.	0.30
190°C/21.6 kg (HLMI)		g/10 min.	20.0	g/10 min.	20.0
Typical Blown Film Properties: *1 Mil (0.025mm)					
Dart Drop	D1709				
26 in (66cm)		G	130	G	130
Elmendorf Tear	D1922				
MD		G	50	G	50
TD			500		500
Tensile Yield Strength	D882				
2 in. (50 mm) per min.					
MD		psi.	3100	MPa	21
TD			3100		21
Tensile Strength @ Break	D882				
2 in. (50 mm) per min.					
MD		psi.	6100	MPa	42
TD			6100		42
Ultimate Elongation					
2 in. (50 mm) per min.	D882				
MD		%	500	%	500
TD			600		600

* HDPE line. 4:1 BUR, 0.035" gap. 8" die, 56" FLH, 240 lbs/hr, 420°F

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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