

## 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:** 

Nominai r nysicai r roperties:	_	_		_	
	ASTM				
	TEST	ENGLISH		SI	
PROPERTY	METHOD	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

<sup>\*</sup> 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.

Published 08/01/04, Revised 01/12/16

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.