

## Formosa Plastics Formolene® HL3712 Sheet and Thermoforming HDPE (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Sheet/Thermoforming Grade

### Material Notes:

Medium Density Hexene Copolymer Applications: Gas and chemical tank containment liners, pond liners, landfill liners, tunnel liners. Formolene HL3712 has good processability, excellent melt strength, broad fusion range, and outstanding stress-crack resistance. Formolene HL3712 meets all requirements of ASTM D1248 - Type II, Class A, Category 5 and ASTM D4967-89-PE235. Produced using licensor formulation for HHM TR 400G. Licensor does not warrant or imply that this product meets their specifications for HHM TR 400G. Nominal properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Physical properties are typical of product but do not reflect normal testing variance and therefore should not be used for specification purposes. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-HL3712-Sheet-and-Thermoforming-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HL3712-Sheet-and-Thermoforming-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in <sup>3</sup>	ASTM D1505
Environmental Stress Crack Resistance	>= 1500 hour	>= 1500 hour	Condition C (100% Igepal), F<sub>50</sub>; ASTM D1693
	>= 1500 hour	>= 1500 hour	Condition B (10% Igepal), F<sub>50</sub>; ASTM D1693
High Load Melt Index	12 g/10 min	12 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.9 MPa	2600 psi	2" (50mm) per min.; ASTM D638 Type IV
Elongation at Break	>= 700 %	>= 700 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	ASTM D790

## Contact Songhan Plastic Technology Co.,Ltd.

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