

## Formosa Plastics Formolene® HL3721 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: Geomembranes, gas and chemical tank containment liners, landfill liners. Formolene HL3721 is tailored for extrusion applications requiring good processability, excellent melt strength, broad fusion ranges, and outstanding environmental stress crack resistance properties. Formolene HL3721 meets all requirements of ASTM - Type II, Class A, Category 5 and ASTM D4976-89-PE235. Produced using licensor formulation for HHM TR-305. Licensor does not warrant or imply that this product meets their specifications for HHM TR-305. 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-HL3721-Sheet-and-Thermoforming-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HL3721-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 B (10% Igepal), F<sub>50</sub>; ASTM D1693
High Load Melt Index	21 g/10 min @Load 21.6 kg, Temperature 190 °C	21 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.3 MPa	2800 psi	2" (50mm) per min.; ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min.; ASTM D638 Type IV
Flexural Modulus	0.779 GPa	113 ksi	ASTM D790

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