

## Formosa Plastics Formolene® HL5010 Sheet and Thermoforming HDPE (discontinued \*\*)

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

### Material Notes:

Extra High Molecular Weight Hexene Copolymer Formolene® HL5010 has good melt strength, excellent stress crack resistance, good rigidity, and excellent impact strength even at low temperatures. These properties make Formolene® HL5010 an excellent resin for large part blow molding applications. Formolene® HL5010 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 for food packaging, covering safe use of polyolefin articles intended for direct food contact. Applications: Blow Molded - 55-Gallon Shipping Containers, Gasoline Tanks and Agricultural Chemical Tanks; Extruded – Pallets, Cattle Feeders, Large Formed Parts and Boats. Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-HL5010-Sheet-and-Thermoforming-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HL5010-Sheet-and-Thermoforming-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	>= 600 hour	>= 600 hour	Condition A, F<sub>50</sub>; ASTM D1693
ESCR 10% Igepal®	>= 600 hour	>= 600 hour	Condition B, F<sub>50</sub>; ASTM D1693
High Load Melt Index	10 g/10 min @Load 21.6 kg, Temperature 190 °C	10 g/10 min @Load 47.6 lb, Temperature 374 °F	Condition F; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	2" (50mm) per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min, Type IV; ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -91.0 °C	<= -132 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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