

## Formosa Plastics Formolene® E905 Film HDPE (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

### Material Notes:

HMW-Bimodal Resin Applications: T-shirt bags, trash can liners, heavy duty bags Formolene E905 is a high molecular weight grade of HDPE with well-balanced strength in both the machine (MD) and transverse (TD) directions and good stiffness characteristics. 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. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-E905-Film-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-E905-Film-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	0.050 g/10 min	0.050 g/10 min	ASTM D1238
High Load Melt Index	11 g/10 min	11 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	51.7 MPa	7500 psi	ASTM D882
Film Tensile Strength at Yield, TD	34.5 MPa	5000 psi	ASTM D882
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	450 %	450 %	ASTM D882
Elmendorf Tear Strength, MD	0.512 g/micron	13.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	5.91 g/micron	150 g/mil	ASTM D1922
Dart Drop	9.84 g/micron	250 g/mil	ASTM D1709

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China