

## Dow FLEXOMER™ ETS-9064 NT 7, 2mil Very Low Density Polyethylene (VLDPE) Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE

### Material Notes:

FLEXOMER™ ETS-9064 NT 7 is intended for use in single or multi-layer blown-film constructions or thick sheets. Films extruded from ETS-9064 NT 7 have a high tear strength, high impact strength, and high puncture resistance and are readily heat sealable. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-FLEXOMER-ETS-9064-NT-7-2mil-Very-Low-Density-Polyethylene-VLDPE-Resin.php](http://www.lookpolymers.com/polymer_Dow-FLEXOMER-ETS-9064-NT-7-2mil-Very-Low-Density-Polyethylene-VLDPE-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.911 g/cc	0.0329 lb/in <sup>3</sup>	ASTM D792
Thickness	50.8 microns	2.00 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1500 psi	ASTM D882
Film Elongation at Break, MD	800 %	800 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Secant Modulus, MD	0.1531 GPa	22.20 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.1703 GPa	24.70 ksi	2% Secant; ASTM D882
Impact	264	264	[ft-lbf/in <sup>3</sup> ]; Puncture Resistance; Dow Method
	3800	3800	[ft-lbf/in <sup>3</sup> ]; Toughness MD; ASTM D882
	3900	3900	[ft-lbf/in <sup>3</sup> ]; Toughness TD; ASTM D882
Elmendorf Tear Strength MD	825 g	825 g	ASTM D1922
Elmendorf Tear Strength TD	1150 g	1150 g	ASTM D1922
Elmendorf Tear Strength, MD	16.24 g/micron	412.5 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.6 g/micron	575 g/mil	ASTM D1922
Dart Drop Test	330 g	0.728 lb	Method B; ASTM D1709

<b>Film Tensile Strength at Break, MD Mechanical Properties</b>	<b>51.7 MPa Metric</b>	<b>7500 psi English</b>	<b>ASTM D882 Comments</b>
Film Tensile Strength at Break, TD	44.8 MPa	6500 psi	ASTM D882
Heat Seal Strength Initiation Temperature	100 °C	212 °F	2 lb/in heat seal strength; 0.5 sec dwell, 40 psi bar pressure, pull speed 10 (in./min.); Dow Method

<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melting Point	122 °C	252 °F	Dow Method (DSC)
Vicat Softening Point	94.0 °C	201 °F	ASTM D1525

<b>Optical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Haze	11 %	11 %	ASTM D1003
Gloss	62 %	62 %	45°; ASTM D2457
Transmission, Visible	98 %	98 %	Clarity; ASTM D1746

## 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