

## LyondellBasell Lupolen® 1852 H SW 413 LDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

### Material Notes:

Blow moldings, injection moldings. Data was collected by ISO methods and originally provided by BASF. The Lupolen® product line is now produced by Basell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Lupolen-1852-H-SW-413-LDPE.php](http://www.lookpolymers.com/polymer_LyondellBasell-Lupolen-1852-H-SW-413-LDPE.php)

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in <sup>3</sup>	
Water Absorption	0.010 %	0.010 %	
Moisture Absorption at Equilibrium	0.010 %	0.010 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	9.00 MPa	1310 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	15.5 %	15.5 %	
Tensile Modulus	0.240 GPa	34.8 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	230 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	128 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Melting Point	108 $\text{Å}^\circ\text{C}$	226 $\text{Å}^\circ\text{F}$	
Flammability, UL94	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Dielectric Constant	2.6	2.6	
	@Frequency 100 Hz	@Frequency 100 Hz	
	2.6	2.6	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	0.00020 Metric	0.00020 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

## 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