

## Lucobit Lucofin® 1400HN Ethylene Butyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

### Material Notes:

Lucofin 1400HN is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin 1400HN is softer and more flexible than ethylene homopolymers with comparable density. Lucofin 1400HN is used primarily for extrusion applications. Applications:• Films for construction, agriculture, and food packaging• Base resin for compounds• Impact modifier for stiff polymers.Lucofin 1400HN meets the food contact regulations in most countries.Information provided by Lucobit AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucobit-Lucofin-1400HN-Ethylene-Butyl-Acrylate.php](http://www.lookpolymers.com/polymer_Lucobit-Lucofin-1400HN-Ethylene-Butyl-Acrylate.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	
Melt Flow	1.4 g/10 min @Load 2.16 kg, Temperature 190 °C	1.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ISO 868
Hardness, Shore D	34	34	ISO 868
Ball Indentation Hardness	8.00 MPa	1160 psi	H 49/30; ISO 2039-1
Tensile Strength, Yield	4.00 MPa	580 psi	ISO 527
Elongation at Yield	14.5 %	14.5 %	ISO 527
Modulus of Elasticity	0.0620 GPa	8.99 ksi	ISO 527

Thermal Properties	Metric	English	Comments
Melting Point	96.0 °C	205 °F	ISO 3146
Vicat Softening Point	70.0 °C	158 °F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 190 °C	320 - 374 °F	Blown film
	160 - 200 °C	320 - 392 °F	Profiles and hoses
	160 - 200 °C	320 - 392 °F	Blow molding

Processing Properties	Metric	English	Comments
	160 - 270 °C	320 - 518 °F	Coatings
Melt Temperature	180 - 250 °C	356 - 482 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

Descriptive Properties	Value	Comments
Comonomer BA	0.16	DIN 51451

## 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