

## Lucobit Lucofin<sup>®</sup> 1400SL Ethylene Butyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

**Material Notes:**

Lucofin<sup>®</sup> 1400SL is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure

Lucofin<sup>®</sup> 1400SL is softer and more flexible than ethylene homopolymers with comparable density. Information provided by Lucobit AG

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	ISO 1183
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
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
	160 - 230 °C	320 - 446 °F	Flat-sheet
	160 - 270 °C	320 - 518 °F	Coatings

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