

Lucobit Lucofin® 1400MN Ethylene Butyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Lucofin 1400MN is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin 1400MN is softer and more flexible than ethylene homopolymers with comparable density. Lucofin 1400MN is used primarily for injection applications, but is also suited for extrusion purposes. Information provided by Lucobit AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucobit-Lucofin-1400MN-Ethylene-Butyl-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ISO 1183
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ISO 868
Hardness, Shore D	32	32	ISO 868
Tensile Strength, Yield	3.50 MPa	508 psi	ISO 527
Elongation at Yield	13 %	13 %	ISO 527
Modulus of Elasticity	0.0450 GPa	6.53 ksi	ISO 527

Thermal Properties	Metric	English	Comments
Melting Point	95.0 °C	203 °F	ISO 3146
Vicat Softening Point	60.0 °C	140 °F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 190 °C	320 - 374 °F	Profiles and hoses
	160 - 190 °C	320 - 374 °F	Blow molding
	160 - 190 °C	320 - 374 °F	Blown film
	160 - 230 °C	320 - 446 °F	Flat-sheet
	160 - 270 °C	320 - 518 °F	Coatings
Melt Temperature	180 - 250 °C	356 - 482 °F	

Processing Properties	Metric 10.0 Å°C	English 04 Å°F	Comments
Descriptive Properties	Value	Comments	
Comonomer BA	0.17	DIN 51451	

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