

Lucobit Lucofin® 1400HN Powder Ethylene Butyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Lucofin 1400HN Powder is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin 1400HN Powder is softer and more flexible than ethylene homopolymers with comparable density. Applications: Supporting material for compounds Polymer modification of bitumen and asphalt Powder coating Information provided by Lucobit AG

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ISO 1183
Melt Flow	0.25 g/10 min	0.25 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	27.0 MPa	3920 psi	MD; ISO 527
	29.0 MPa	4210 psi	TD; ISO 527
Tensile Strength, Yield	6.70 MPa	972 psi	ISO 527
Elongation at Break	450 %	450 %	MD; ISO 527
	600 %	600 %	TD; ISO 527
Tensile Modulus	0.144 GPa	20.9 ksi	ISO 527

Thermal Properties	Metric	English	Comments
Melting Point	102 °C	216 °F	ISO 3146
Vicat Softening Point	86.0 °C	187 °F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 240 °C	320 - 464 °F	Bitumen modification
	160 - 270 °C	320 - 518 °F	Coatings
	160 - 290 °C	320 - 554 °F	Compounding

Descriptive Properties	Value	Comments
Comonomer BA	0.09	

Descriptive Properties	Value	Comments
Failure Energy, J/mm		

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