

Lucobit Lucofin® 1400MN Powder Ethylene Butyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

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

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ISO 1183
Particle Size	500 Åµm	500 Åµm	ASTM D 1921
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 Å°C	7.0 g/10 min @Load 4.76 lb, Temperature 374 Å°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 Å°C	203 Å°F	ISO 3146
Vicat Softening Point	60.0 Å°C	140 Å°F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 220 Å°C	320 - 428 Å°F	Rotomolding
	160 - 240 Å°C	320 - 464 Å°F	Bitumen modification
	160 - 270 Å°C	320 - 518 Å°F	Coatings
	160 - 290 Å°C	320 - 554 Å°F	Compounding

Descriptive Properties	Value	Comments
Comonomer BA	0.17	DIN 51451

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