

# Lucofin® 1492M

Ethylene Butyl Acrylate Copolymer

Lucobit AG

## Message:

Lucofin® 1492M is a chemically modified polyethylene, i.e. EBA grafted with maleic anhydride (MA).

Lucofin® 1492M can be used pure or combined with other polymers where improved polarity is required.

Product advantages

easy processing on standard processing equipment

polarity and adhesion to various materials

good compatibility and filler acceptance

good mechanical properties

environmentally sound

Applications

Due to the maleic anhydride content this grade offers excellent adhesion to polar materials and can be used - possibly in combination with Lucofin® 1400HN or Lucofin® 1400MN - to

provide high filler loading, such as ATH (Aluminum tri hydrate) and MDH (Magnesium di hydrate) in HFFR compounds

flexibilize and toughen (impact modification) otherwise brittle plastics (PA, PA/ABS, PBT, PET), including scrap/recycled material

modify melt viscosity and therefore improve processability for PA

compatibilize dissimilar polymer compounds, such as PA/PE and PE/PS

improve bonding and strength in

wood-plastic composite WPC, such as PE, PP/ wood flour

polymer/fiber (glass fiber, natural fiber, long fiber, short fiber) compounds such as PP/long glass fibre

in multilayer films/structures to act as a tie layer between dissimilar materials, such as polyolefins, PE copolymers, ionomers, polyamides, EVOH,

polyesters, polycarbonates and aluminium ,e. g.:

PE / Lucofin® 1492M / PA

PE / Lucofin® 1492M / PET

PE / Lucofin® 1492M / EVOH

General Information			
Features	Environmental protection		
	Workability, good		
	Adhesiveness		
	Good flexibility		
	Good adhesion		
Uses	Plastic modification		
Forms	Particles		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm <sup>3</sup> /10min	ISO 1133
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 300	°C	

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Recommended distributors for this material

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