

LUCOFIN<sup>®</sup>-EBA FOR THE WIRE & CABLE  
INDUSTRY WORLDWIDE



... we make better polymers



# INNOVATIVE TECHNOLOGY FOR WIRE & CABLE

AS A FLEXIBLE AND GROUP-INDEPENDENT COMPANY, LUCOBIT IS PRESENT AND ACTING IN ALL SIGNIFICANT WIRE & CABLE MARKETS AROUND THE WORLD - SUPPORTED BY TECHNICAL SALES REPRESENTATIVES ASSISTING WITH FULLY CUSTOMIZED COMPETENCE. INNOVATIVE AND TAILOR-MADE SOLUTIONS, FIRST CLASS SERVICES COMBINED WITH ADVANCED AND SPECIALISED TECHNOLOGIES ARE THE KEY TO SUCCESS CONCERNING PERFORMANCES OF THE EXISTING CABLE MATERIALS.

CARRIER SEMICONDUCTIVE COM-  
POUNDS MV/HV LUCOFIN® 1400MN

WATER TREE RETARDANT FOR  
INSULATION XLPE LUCOFIN® 1400HN

CARRIER SEMICONDUCTIVE COM-  
POUNDS MV/HV LUCOFIN® 1400MN



# LUCOBIT WIRE & CABLE PRODUCT FAMILY

## Lucofin® 1400HN

Lucofin® 1400HN is a polar copolymer based on ethylene and butyl acrylate with low crystallinity.

## Lucofin® 1400MN

Lucofin® 1400MN is a polar copolymer based on ethylene and butyl acrylate with low crystallinity.

## Lucofin® 1492M HG

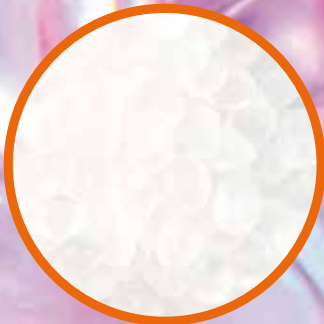
Lucofin®1492M HG is a chemically modified polyethylene, EBA grafted with maleic anhydride (MA).

## Lucofin® 7410HFFR

Lucofin® 7410HFFR is a thermoplastic, halogen free flame retardant compound based on Lucofin® EBA.

## Lucolor® 7137

Lucolor® 7137 black is based on a carbon black which offers excellent weathering properties.



WATER TREE RETARDANT

HFFR CARRIER

JACKETING



CONDUCTOR SHIELD

INSULATION SHIELD

HFFR CARRIER

JACKETING



HFFR CARRIER

JACKETING



JACKETING

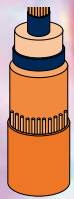


JACKETING

# LUCOFIN®-EBA IN WIRE & CABLE APPLICATIONS

POWER CABLE

SEMICONDUCTIVE



Materials:  
Lucofin® 1400MN – its high melt index allows high solid loading levels

Main benefits:  
• High filler acceptance (C-Black in this case)  
• Good extrudability  
• Tubular process

Typical dosage:  
30 % – 70 % addition of Lucofin® 1400MN / Lucofin® 1400MN to other polymers, carbon black and stabilizers.

POWER CABLE

INSULATION



Materials:  
• Lucofin® 1400HN

Main benefits:  
• Water tree retardant  
• High Production output

Typical dosage:  
5 % – 20 % addition of Lucofin® 1400HN to other polymers and stabilizers as WTR.

HFFR



Materials:  
• Lucofin® 1400MN  
• Lucofin® 1400HN  
(for slightly improved mechanical properties)  
• Lucofin® 1492M HG

Main benefits:  
• High filler acceptance (Aluminium tri hydrate or magnesium di hydrate)  
• Compatibilization • Good aging resistance.  
Typical dosage:

30 % – 70 % addition of Lucofin® 1400MN / Lucofin® 1400MN and 5 % of Lucofin® 1492M HG to other polymers, fillers and stabilizers

JACKETING



Materials:  
• Lucofin® 1400MN  
• Lucofin® 1400HN  
• Lucolor® 7137

Main benefits:  
• Flexibility  
• Environmental stress crack resistance (ESCR)

Typical dosage:  
10 % – 40 % addition of Lucofin® 1400HN / Lucofin® 1400MN to other polymers, fillers and stabilizers.

BEDDING



Materials:  
• Lucofin® 1400MN  
• Lucofin® 1400HN

Main benefits:  
• Filler acceptance  
• Good extrudability

Typical dosage:  
5 % – 20% addition of Lucofin® 1400HN / Lucofin® 1400MN to other polymers, fillers and stabilizers.

CELLULAR



Materials:  
• Lucofin® 1400MN  
• Lucofin® 1400HN

Main benefits  
• foamability  
• water barrier

Typical dosage:  
5 % – 20% addition of Lucofin® 1400HN / Lucofin® 1400MN to other base polymers, foaming agent and stabilizers.

■ Lucofin® 1400HN, Lucofin® 1400MN





# YOUR PARTNER FOR WIRE & CABLE

LUCOBIT WAS FOUNDED IN THE YEAR 2000. AS LUCOBIT® WAS DEVELOPED AND PATENTED BY BASF MORE THAN 40 YEARS AGO, LUCOBIT HAS BEEN ABLE TO ACQUIRE MUCH MORE EXPERIENCE AND KNOWLEDGE IN THE CABLE MARKETS. COMPETENCE, EXPERIENCE AND THE SPECIALIST KNOW HOW ARE THE MEANS THAT ALWAYS HELP TO IMPROVE AND INNOVATE TECHNOLOGIES. AS A FIRST CLASS POINT OF REFERENCE IN NATIONAL AND INTERNATIONAL MARKETS, LUCOBIT PROVIDES A COMPLETE CONSULTANCY FROM SPECIFICATIONS TO COMPANY'S ASSISTANCE.

# LOCATIONS WORLDWIDE



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