

# EXTRUSION COATING

## Segment Information



**LUCOBIT**  
THERMOPLASTIC POLYOLEFINS

# EXTRUSION COATING





## Product Range







- Lucofin® 1400FN
- Lucofin® 1400KP
- Lucofin® 1400MN
- Lucofin® 1470
- Lucofin® L10019
- Lucopren® EP 1500M-90







# LUCOFIN® 1400FN





<b>Product description</b>	<p>Lucofin® 1400FN is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin® 1400FN is softer and more flexible than ethylene homopolymers with comparable density. Lucofin® 1400FN is supplied as uncoloured granules.</p>		
<b>Value Proposition</b>	<p>easy processing on standard processing equipment</p>		
	<p>flexibility</p>		
	<p>impact strength at low temperatures (- 40 °C)</p>		
	<p>thermal stability of polymer (no corrosive by-products)</p>		
	<p>good mechanical properties high end use temperature</p>		
	<p>good compatibility and filler acceptance</p>		
	<p>good organoleptics</p>		
	<p>environmentally sound</p>		
<b>Technical Data</b>	<p>MFR (190 °C/2.16 kg)   ISO 1133   g/10 min</p>	<p>0.9</p>	
	<p>Comonomer BA   DIN 51451   %</p>	<p>17</p>	
<b>Applications</b>			
	<p>Peelable coating</p>	<p>ALU-foil</p>	<p>PET (films/non wovens)</p>
			
	<p>Paper board coating</p>		

# LUCOFIN® 1400KP





<b>Product description</b>	<p>Lucofin® 1400KP is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin® 1400KP is softer and more flexible than ethylene homopolymers with comparable density. Lucofin® 1400KP is supplied as uncoloured granules.</p>			
<b>Value Proposition</b>	<p>easy processing on standard processing equipment</p>			
	<p>flexibility</p>			
	<p>impact strength at low temperatures (- 40 °C)</p>			
	<p>thermal stability of polymer (no corrosive by-products)</p>			
	<p>good mechanical properties high end use temperature</p>			
	<p>good compatibility and filler acceptance</p>			
	<p>good organoleptics</p>			
	<p>environmentally sound</p>			
<b>Technical Data</b>	<p>MFR (190 °C/2.16 kg)   ISO 1133   g/10 min</p>	<p>4.5</p>		
	<p>Comonomer BA   DIN 51451   %</p>	<p>25</p>		
<b>Applications</b>				
	<p>Peelable coating</p>	<p>ALU-foil</p>	<p>PET (films/non wovens)</p>	
				
	<p>Paper board coating</p>			

# LUCOFIN® 1400MN

<b>Product description</b>	<p>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 supplied as uncoloured granules.</p>		
<b>Value Proposition</b>	<ul style="list-style-type: none"> <li>easy processing on standard processing equipment</li> <li>flexibility</li> <li>impact strength at low temperatures (- 40 °C)</li> <li>thermal stability of polymer (no corrosive by-products)</li> <li>good mechanical properties</li> <li>high utilization temperatures</li> <li>good compatibility and filler acceptance</li> <li>good organoleptics</li> <li>environmentally sound</li> </ul>		
<b>Technical Data</b>	Density (23 °C)   ISO 1183   g/cm <sup>3</sup>		0.924
	MFR (190 °C/2.16 kg)   ISO 1133   g/10 min		7
	Comonomer BA   DIN 51451   %		17
	Melting temperature   ISO 3146   °C		95
	Vicat softening temperature A/50   ISO 306   °C		60
	Module of Elasticity   ISO 527   MPa		45
	Yield strain   ISO 527   %		13
	Yield stress   ISO 527   MPa		3.5
	Shore Hardness D   ISO 868		32
	Shore Hardness A   ISO 868		88
<b>Applications</b>			
			
	<b>Paper board coating</b>		

<b>Product description</b>	Lucofin® 1470 is a polar terpolymer compound consisting of polyethylene with low density.		
<b>Value Proposition</b>	adhesion antioxidant flexibility low temperature		
<b>Technical Data</b>	MFR (190°C/2.16kg)   ISO 1133   g/10 min	7	
	Density (23°)   ISO 1183   g/cm <sup>3</sup>	0.927	
	Tensile modulus   ISO 527-1 and -2   MPa	84	
	Tensile stress at yield   ISO 527-1 and -2   MPa	6	
	Shore hardness D   ISO 868	38	
	Vicat softening temperature A50 (50°C/h 10N)   ISO 306   °C	72	
	Melting temperature   ISO 3146   °C	96	
<b>Applications</b>			
	Peelable coating	ALU-foil	PET (films/non wovens)
			
	Paper board coating		

# LUCOFIN® L10019

<b>Product description</b>	Lucofin® L10019 is a chemically modified polyethylene, i.e. EBA grafted with maleic anhydride (MAh).		
<b>Value Proposition</b>	easy processing on standard processing equipment polarity and adhesion to various materials good compatibility and filler acceptance good mechanical properties environmentally sound		
<b>Technical Data</b>	Colour	natural / opaque	
	MVR (190°C/2.16 kg)   ml/10 min.   ISO 1133	7	
<b>Applications</b>			
	Peelable coating	ALU-foil	PET (films/non wovens)
			
	Paper board coating		

# LUCOPREN® EP 1500M-90

<b>Product description</b>	<p>Lucopren® is a novel, super-soft and highly elastic raw material based on polyolefins. It is available for extrusion and injection moulding applications in a hardness range from Shore A = 80 to Shore A = 30. Standard grades can be supplied as natural granules. Customized coloured versions are available upon request.</p>		
<b>Value Proposition</b>	<ul style="list-style-type: none"> <li>easy processing on standard processing equipment</li> <li>high elasticity and flexibility</li> <li>good mechanical properties and polymer stability</li> <li>high end use temperature</li> <li>high impact properties at low temperatures</li> <li>compatibility with polyolefins</li> <li>good organoleptics</li> <li>environmentally sound</li> </ul>		
<b>Technical Data</b>	Colour	natural	
	Density (23 °C)   ISO 1183   g/cm <sup>3</sup>	0.89	
	MFR (230 °C/2.16 kg)   ISO 1133   g/10 min	8	
	Tensile Strength   ISO 527   MPa	> 10	
	Elongation at break   ISO 527   %	> 800	
	Shore Hardness A   ISO 868	88	
<b>Applications</b>			
			
	Paper board coating		



#### Note

The information provided in this document is based on our product tests and present technical knowledge. It does not release purchasers from the responsibility of carrying out their receiving inspections. Neither does it imply any binding assurance of suitability of our products for a particular purpose. As LUCOBIT cannot anticipate or control the many different conditions under which this product may be processed and used this information does not relieve processors from their own tests and investigations. Any proprietary rights as well as existing legislation shall be observed.



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THERMOPLASTIC POLYOLEFINS

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