

Lucopren® 1500M

Polyolefin

Lucobit AG

Message:

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.

Lucopren displays excellent flexibility and elasticity. It can be converted into products with an excellent touch and good rebound resilience. In multi-layer composites Lucopren products demonstrate superior adhesion to polyolefins. Moreover, Lucopren can be easily coloured by using standard colour masterbatches with a Polyolefin carrier resin.

Product advantages

- easy processing on standard processing equipment
- high elasticity and flexibility
- good mechanical properties and polymer stability
- high end use temperature
- high impact properties at low temperatures
- compatibility with polyolefins
- good organoleptics
- environmentally sound

Applications

These available moulding grades (Lucopren 1500H/M) can be easily converted into any kind of elastic parts, or into soft layers of rubbery surface and touch. Other fields of application for this grade are extrusion coatings and multi-layer constructions as well as calendered tarpaulins as an alternative to soft PVC. Furthermore, when crosslinking Lucopren by means of peroxide or radiation, stable closed-cell foams can be produced.

General Information	
Features	Acid Resistant
	Base Resistant
	Crosslinkable
	Environmentally Sound
	Foamable
	Good Adhesion
	Good Colorability
	Good Flexibility
	Good Organoleptic Properties
	Good Processability
	Good Stability
	High Elasticity
	High Impact Resistance
	Irradiation Crosslinkable
	Low Temperature Impact Resistance
	Salt Water/Spray Resistant
	Soft
Uses	Coating Applications
	Foam

Appearance	Colors Available Natural Color
Forms	Granules
Processing Method	Calendering Coating Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	88		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 10.0	MPa	ISO 527-2
Tensile Strain (Break)	> 800	%	ISO 527-2

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