

# Lucolit® 1323

Thermoplastic Polyolefin Elastomer

Lucobit AG

## Message:

Lucolit products display excellent tear resistance, flexibility, and weathering resistance. Lucolit exhibits good toughness, superior biaxial stretchability, and flexibility even at low temperatures. It is insensitive to stress cracking and notch effects. Special stabilization provides good resistance to heat ageing and UV radiation. Lucolit is thus to a large extent resistant to weathering and ageing.

### Product advantages

- easy processing on standard processing equipment
- wide colour range
- easy to weld (hot air/hot wedge welding)
- good mechanical properties
- flexibility
- ageing resistant
- compatible with bitumen and polyolefins according to DIN 16726
- environmentally sound
- long-term experience

### Applications

Coloured Lucolit products are mainly used in construction, for instance for roofing and sealing membranes, profiles or waterstops. Lucolit membranes can be welded safely and durably. Furthermore Lucolit is suitable for the production of injection moulded parts in the building sector. In most cases it is necessary to choose the same raw material for parts, profiles and membranes due to the requirement of same colours and stabilization.

General Information	
Additive	Heat Stabilizer
	UV Stabilizer
Features	Acid Resistant
	Base Resistant
	Environmentally Sound
	Good Flexibility
	Good Heat Aging Resistance
	Good Processability
	Good Stretchability
	Good Tear Strength
	Good Toughness
	Good UV Resistance
	Good Weather Resistance
	Heat Stabilized
	High ESCR (Stress Crack Resist.)
	Low Temperature Flexibility
	Moisture Resistant
	Salt Water/Spray Resistant
	Weldable
Uses	Construction Applications

Membranes

Profiles

Appearance	Green
Forms	Granules
Processing Method	Extrusion Injection Molding Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	90		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	80.0	MPa	ISO 527-2
Additional Information	Nominal Value	Unit	Test Method
Low Temperature Flexibility	< -45	°C	DIN 53361

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