

Lucolit® 1321

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 | Blue |
| Forms | Granules |
| Processing Method | Extrusion Injection Molding Profile Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 0.980 | g/cm ³ | 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 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

