

# Lucofin® 1414-t1

Polyolefin

Lucobit AG

## Message:

### Product description

Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 are colored, highly stabilized polyolefin-based TPO granules.

The following colour settings are supplied as standard:

1410-t1 - grey

1411-t1 - white

1412-t1 - pale grey

1413-t1 - dark grey

1414-t1 - silk grey

### Fire prevention

The products are provided with special halogen free fire retardants in order to pass test method 1 of European standard EN 1187. It should be taken into account that the roof construction, however, can have a decisive effect on the test results.

### Product characteristics

Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 have convincing properties on account of outstanding breaking strength, flexibility and resistance to weathering. Lucofin®

1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 are distinguished by good tenacity, high biaxial extensibility and flexibility even at low temperatures.

### Product advantages

Simple processing in conventional plastic processing plants

Variety of colours

Good bondability (hot air/hot wedge)

Good mechanical characteristics

Flexibility

Resistance to aging

Environmental friendliness

Long-term experience of ECB/TPO

### Fields of application

Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 are mainly processed for coloured roof and sealing sheeting and also for profiles in the construction sector. Sheeting and profiles of Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 are safely and durably bondable under almost all weathering conditions. Articles for the construction accessories sector are moreover produced in the injection moulding process. On account of the colour and stabilization similarity, it is usually a matter there of an identical choice of material with the extruded sheeting materials.

### Chemical resistance

Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1 are resistant to water and aqueous solutions, to salts and to dilute acids and bases. Aliphatic, aromatic and halogen-substituted hydrocarbons can in some cases begin to swell or dissolve Lucofin® 1410-t1, 1411-t1, 1412-t1, 1413-t1 and 1414-t1.

General Information	
Features	Acid Resistant
	Base Resistant
	Bondability
	Environmentally Sound
	Flame Retardant
	Good Chemical Resistance
	Good Flexibility
	Good Weather Resistance
	Halogen Free
	High Strength
	Low Temperature Flexibility
	Salt Water/Spray Resistant

Uses	Bonding Construction Applications Membranes Profiles Sheet
Agency Ratings	DIN 16726 EN 1187
Appearance	Grey
Forms	Granules
Processing Method	Injection Molding Profile Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm <sup>3</sup> /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 23°C)	95		ISO 868
Additional Information	Nominal Value	Unit	Test Method
Low Temperature Flexibility	< -40	°C	DIN 53361
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 to 180	°C	
Mold Temperature	10.0 to 40.0	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 180	°C	

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#### Recommended distributors for this material

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