Lucofin® 1411

Polyolefin

Lucobit AG

Message:

Lucofin is a coloured, highly stabilized, bitumen-free TPO raw material based on polyolefins.
Lucofin products display excellent tear resistance, flexibility, and weathering resistance. Lucofin 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. Lucofin 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 air wedge welding)
good mechanical properties
flexibility
ageing resistant
compatible with polyolefins and bitumen according to DIN 16726
environmentally sound
long-term experience
Applications
Coloured Lucofin products are mainly used in construction, for instance, for TPO/FPO roofing and swimming pool membranes, profiles for the construction industry and as well as waterstops. Lucofin membranes and profiles can be welded safely and durably. Furthermore, Lucofin 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 colour 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
	Salt Water/Spray Resistant
	Weldable

Uses	Coating Applications Construction Applications Membranes Profiles
Appearance	White
Forms	Granules
Processing Method	Injection Molding Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm³	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)	85		ISO 868
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Low Temperature Flexibility	< -45	°C	DIN 53361
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	160 to 220	°C	
Mold Temperature	10.0 to 40.0	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	150 to 180	°C	

Recommended distributors for this material

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WECHAT