

Tubolit® AR
Fonowave

THE NOISE REDUCING INSULATION FOR
PLASTIC WASTE WATER PIPES



- Improved acoustic comfort
- Easy application over flanges and elbows
- < 11db(A) on plastic pipes
- Durable outside coating

Technical Data - Tubolit AR Fonowave

Brief description	Flexible, closed-cell extruded insulation material to reduce noise and prevent condensation, especially on plastic waste water and rain water pipes.
Material type	Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313.
Colour	blue
Material Special Information	Self-adhesive coating on tapes: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil.
Applications	Acoustic and thermal insulation of internal waste water and rain water in residential and non-residential buildings. For complex and large diameter rain collecting and (roof-) drainage pipes, to provide optimal protection against the risk of condensation, we recommend using Armaflex insulation.
Special Features	Foil coating on outer surface for additional protection of insulation surface. Special wave-shaped inner surface provides excellent acoustic performance on plastic pipes.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP

Property	Value/Assessment	Test ¹	Special Remarks
Temperature Range			
Temperature Range	Max. service temperature	+ 100 °C	(+ 85 °C for tapes)
	Min. service temperature		(as per typical plumbing installations)
Thermal Conductivity			
Thermal Conductivity ¹	ϑ_m	40	[°C]
	λ	≤ 0.045	W/(m · K)
			$\lambda = \frac{[41 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]}{1000}$
	Tubolit AR Fonowave		
	Tubolit AR tape		
			$\lambda = \frac{[41 + 0,1 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 40)^2]}{1000}$
Fire performance			
Reaction to fire ²	Tubolit AR Fonowave	E	
	Tubolit AR tape	E	
Acoustic performance			
Reduction of structure-borne sound transmission	on plastic waste water pipes	≤ 11 dB(A)	
Other technical features			
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2		
Storage & Shelf life	Tapes self-adhesive: 1 year		
			Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).

1. In accordance with testing methods and laboratory equipment, the thermal conductivity for Tubolit, S, S Plus and tape is measured in the conventional way

2. The building materials classification is valid on metal or solid, mineral surfaces.

*1 Further documents such as test certificates and approvals can be requested using the registration number given.

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended. Installation instructions are available.

Tubolit AR Fonowave tubes endless (coils)



Length 10.0 m, Thickness 9.0 mm, Colour Blue, Covering Colour Blue, structure-borne noise insulation for waste-water and plastic sewage pipes with engineered wave profile and robust protective film

Pipe max. Outside- Ø [mm]	9,0 mm insulation thickness					
	Outer- Ø [mm]	Nominal width DN	Code	m/carton	Rolls/carton	
57	50/56	50/56	TL-50/9-ARW •	80	8	
76	75	70	TL-70/9-ARW •	60	6	
110	110	100	TL-100/9-ARW •	50	5	
133	125/135	125	TL-125/9-ARW •	40	4	

• Not a stock item. Delivery on request.

Tubolit AR Fonowave self-adhesive tapes



Colour Blue, DIN 4102-B1, made of polyethylene

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton	£/roll
TL-TAPE/50-ARW •	50.0	15	3	12	

• Not a stock item. Delivery on request.