Technical Data - Tubolit S Plus

Brief description	Flexible, closed-cell extruded insulation material to reduce heat losses and noise on heating and plumbing installations.
Material type	Foam material based on polyethylene. Factory made polyethylene foam (PEF) according to EN 14313.
Colour	foam: grey; foil: blue
Applications	Insulation / protection of pipes (heating system pipes, domestic hot and cold water pipes) and other parts of heating and plumbing installations (incl. elbows, fittings, flanges, etc).
Special Features	Foil coating on outer surface for for additional protection of insulation surface. Foil coating on inner surface for better sleeve-on installation.
Remarks	After installation linear shrinkage of approx. 2% (or more in particular cases) may occur during the initial and even later phase of system operation. Under certain conditions (e.g. high humidity, main distribution pipes, pipes with constant or almost constant flow) cold water pipelines must be insulated with Armaflex, just the same as chilled water pipes in air-conditioning systems. 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 Remark
Temperature Range						
Temperature Range	max. service temperature min. service temperature		+ 100 °C	(+ 85 °C for tapes) (as is usual in plumbing and heating installations)	EU 5676	Tested acc. to EN 14707 and EN 14313
Thermal Conductivity						
Thermal Conductivity[1]		ϑ_m 40	[°C]	λ=	EU 5676	Declared acc. to EN ISO 13787 Tested acc. to EN ISO 8497
	Tubolit S Plus	λ ≤ 0,045	W/(m · K)	$[41 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot (\vartheta_m - 40)^2]/1000$		
Fire performance						
Reaction to fire[2]	Tubolit S Plus		E		EU 5676	Classified acc. to EN 13501-1 Tested acc. to EN ISO 11925-2
Other technical features						
Dimensions and tolerances	In accordance with EN 14313, table 1 and 2				EU 5676	Tested acc. to EN 822 EN 823 EN 13467

1. Due to testing method and laboratory equipment, thermal conductivity is measured for Tubolit DG, S and DHS in a regular way
2. The reaction to fire classification is valid on metal surfaces.

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

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. During storage of the product blooming on the surfaces may occur, especially at wall thickness below 19mm. This blooming does not affect the technical properties of the material, but can affect the adhesion properties. Therefore, the surface needs to be cleaned (wiped off) before adhesives can be applied.
Please consult our Customer Service Center before insulating stainless steels.