

Technical Data Sheet

ISOPIPE[®] TC



ISOPIPE TC - is an NBR based flexible elastomeric foam insulation with significantly high percentage, 98.5%, of closed - cells

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Thermal Conductivity (λ)	-20°C - 0.031 W/mk	EN 12667	Danish Technological Institute
	0°C - 0.033 W/mk		
	20°C - 0.035 W/mk		
	30°C - 0.036 W/mk		
Permeability (μ)	≥10000	EN 13469, EN 12086	self monitoring
Operating Temperatures (°C)	-50°C to +110°C	EN 14707 EN 14706	MPANRW
	(+85°C If System, Sheets, Rolls are glued to the object with its whole surface)		
Fire Rating (FR)	Coil, Pipes, Slit & Seal: B-S2, d0 Class 0, Class 1 Class A or Class 1 B _L -S2, d0 Low Flame Spread	EN 13501-1 BS 476 p.6 & p.7 UNI 8457 ASTM E 84 IMO RES.MSC 61 (67) FTP code, annex 1, part 5	CSI Spa Warrington Fire Research Siemens Axiva supervised by Bureau Veritas MARINE Division, LAPI, TUV Nordi Baltic Ltd, TNO, Swedcert
	System, Sheets, Rolls: B-S3, d0	EN 13501-1	CSI Spa
Density (ρ)	60 Kgr/m ³ , ±10 Kgr/m ³	EN 13467 & EN 1602	self monitoring
Closed Cells	98.5%		
Thickness (Tolerances)	Coil, Pipes, Slit & Seal: 6, 9 & 13mm: ±1% 19mm: ±2% 25, 30, 40 & 50mm: ±2%	PrEN 13467	self monitoring
	System, Sheets, Rolls: 6mm: ±1mm 10, 13 & 19mm: ±1.5 mm 25, 32, 40 & 50mm: ±2 mm	EN 823	self monitoring
	Overlap Slit & Seal: 120μm: ±1.5 μm	DIN 53370	self monitoring
	Coil, Pipes, Slit & Seal: Ø6 - Ø54: +1mm to +2mm Ø60 - Ø76: +1mm to +3mm Ø88 - Ø139: +1mm to +4mm	PrEN 13467	self monitoring
Diameter Tolerance	System, Sheets, Rolls: Length: ±1.5% Width: ±2%	EN 822	self monitoring
Dimensional Stability	1.5 - 3%	EN 1604	self monitoring
Fungi Resistance	Passed	ASTM G21	Quality Labs
Bacterial Resistance	Passed	ASTM E2180	Quality Labs
Tensile Strength (Pa)	>0.15 Mpa	EN ISO 1798	self monitoring
Elongation at Break	>150%	EN ISO 1798	self monitoring
Corrosion Resistance	Water soluble ions in accordance	EN 13468	ITC
Weather Resistance	Good		
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Noise Reduction	Up to 30dB	DIN 4109	
CFC, HFC, HCFC	Free		
Odor	Neutral		
Adhesion for Slit & Seal	Overlap: 6 N/cm	NF EN 1464, ISO 4578 IOP 041	
	Self adhesive stripe: 6 N/cm	FINAT NO 9 - IOP 043	
Static Temperature Resistance Slit & Seal	100°C continuous		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

A wide range of Applications



Product Range



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