ISOPIPE® TC

SHEETS • TUBES • DUCTS

Technical Data Sheet

ANTIBACTERIAL

EPD®
THE INTERNATIONAL EPD® SYSTEM

Type of Material	Black closed-cell flexible elastomeric foam (FEF) based on an NBR/PVC.
Product Range	Tubes in pipe section (also with coverings or/ and self-adhesive version) and coils with thicknesses from 6 mm to 50 mm and diameters from 6 mm (1/4'' inch) to 139 mm (5 ½'' inches). Flat sheets or rolls (also with coverings or/ and self-adhesive version) with thicknesses from 6 mm (1/4'' inches) to 50 mm(2''inches).
Fields of Application	Thermal insulation for refrigeration, air conditioning and heating & plumbing services in commercial, industrial and domestic applications.
Dimensional Tolerances	In accordance with the European Standard EN 14304 table1.
Environmental Information	Flexible and expanded rubber foam free of CFC and HCFC. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero). Environmental Product Declaration (EPD), registration number S-P-05562, publication date 28/02/2022, 5 years validity.
Storage &self-time	Material shall be stored indoors, in clean and dry conditions, away from direct sunlight. Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes, self-adhesive rolls: 1 year

Properties	Technical Data	Test Methods
Thermal Conductivity (λ)	-20°C (-4°F) - 0.031 W/mk 0°C (32°F) - 0.033 W/mk 20°C (68°F) - 0.035 W/mk 30°C (86°F) - 0.036 W/mk	EN 12667
Permeability (μ)	≥10000	EN 13469, EN 12086
Operating Temperatures (°C)	-50°C(-58°F) to +110°C(230°F) (+85°C(185°F) If System, Sheets, Rolls are glued to the object with their whole surface)	EN 14707 EN 14706
Fire Rating (FR)	**Coil, Pipes, Slit:**	
	B-S2, d0	EN 13501-1
	Class 0, Class 1	BS 476 p.6 & p.7 UNI 8457
	Low Flame Spread	IMO RES.MSC 61 (67) FTP code, annex 1, part
	System, Sheets, Rolls, Ducts: B-S3, d0	EN 13501-1
Fungi Resistance	Passed	ASTM G21
Bacterial Resistance	Passed	ASTM E2180
Noise Reduction	Up to 30dB	DIN 4109
CFC, HFC, HCFC	Free	
Other Certificates	Voc emissions Gold	ISO 16000

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.