



Pipes

System

Sheets

Rolls

### TECHNICAL DATA SHEET

PROPERTY	TECHNICAL DATA	TEST METHOD	LAB / TEST REPORTS
Thermal conductivity ( $\lambda$ )	0°C - 0,035W/mK	EN 12667	self monitoring
	20°C - 0,037W/mK		
	40°C - 0,040W/mK	EN ISO 8497	DEMOKRITOS
Permeability ( $\mu$ )	$\geq 7000$	EN 13469, EN 12086	self monitoring, RTU / BDA KEUR
	HD Film: 0,028gr/m <sup>2</sup> / 24h	ISO 15106-2	
Density ( $\rho$ )	60 – 75 Kgr/m <sup>3</sup>	PrEN 13470 & EN 1602	self monitoring
Tensile strength (Pa)	> 0,15 Mpa	EN ISO 1798	self monitoring
Operating temperatures (°C)	Pipes: -40°C to +105°C		
	System, Sheets, Rolls: -40°C to +85°C		
	HD Film: -25°C to +75°C		
	Synthetic rubber adhesive: -40°C to +110°C		
Fire rating	B - s3, d0 for Pipes, Coil, Slit & Seal	EN 13823	TUV Nord Baltic Ltd., TNO, Swedcert
	C - s3, d0 for System, Sheets, Rolls	EN ISO 11945-2	
	Class 0	BS 476 p.6 & p.7	Warrington Fire Research
	Class 1	UNI 8457	LAPI
	B <sub>L</sub> - s3, d0 (M1)	NF EN 13823, NF EN 11925-2	
Diameter tolerance	Low frame spread	IMO RES.MSC 61(67) FTP code, Annex 1, Part 5	Siemens Axiva supervised by Bureau Veritas MARINE Division
	Pipes: Ø6 – Ø54: +1mm to +2mm Ø60 – Ø76: +1mm to +3mm Ø88 – Ø139: +1mm to +4mm	PrEN 13467	self monitoring
Thickness	System, Sheets, Rolls: Length $\pm 1,5\%$ - Width $\pm 2\%$	EN822	
	Pipes: 6mm, 9mm, 13mm: $\pm 1\%$ 19mm: $\pm 2\%$ , 25mm, 30mm: $\pm 2,5\%$	PrEN 13467	self monitoring
	System, Sheets, Rolls: 6mm: $\pm 1\%$ , 10, 13 & 19mm: $\pm 1,5\text{mm}$ 25, 32, 36 & 40mm: $\pm 2\text{mm}$	EN823	self monitoring
	HD Film: 230 $\mu\text{m}$		self monitoring
HD Film weight	340 gr/m <sup>2</sup>	EN 22286	
HD Film puncture	Ø 0,8mm = 23 N	Pr EN 14477	
	Ø 2,0mm = 87 N		
Oil & Grease resistance	Very good	ASTM D 471	self monitoring
UV resistance	Excellent	ASTM D 518	self monitoring
Weather resistance	Excellent		self monitoring
Corrosion resistance	Water soluble ions in accordance	DIN 1988-7 or PrEN 13823	
Noise reduction	Up to 30dB	DIN 4109	
Dimensional stability	1,5 - 3%	PrEN 14304, EN 1604	self monitoring
CFC, HFC, HCFC	Free		
Odor	Neutral		

The written figures are these that 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 usage.