



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
	UV PLUS Film: 0,03 gr/m <sup>2</sup> / 24h 90% rel. humidity at 38°C		
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
Elongation at break	> 150%	EN ISO 1798	self monitoring
Operating temperatures (°C)	Pipes: -40°C to +105°C		
	System, Sheets, Rolls: -40°C to +85°C		
	UV PLUS Film: -40°C to +85°C		
Fire rating	B - s3, d0 for Pipes	EN 13823	TUV Nord Baltic, 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	LNE
	Low flame spread	IMO RES.MSC 61(67) FTP code, Annex 1, Part 5	Siemens Axiva supervised by Bureau Veritas MARINE Division
Diameter tolerance	Pipes: Ø6 - Ø54: +1mm to +2mm Ø60 - Ø76: +1mm to +3mm Ø88 - Ø139: +1mm to +4mm	PrEN 13467	self monitoring
	System, Sheets, Rolls: Length: $\pm 1,5\%$ , Width: $\pm 2\%$	EN 822	self monitoring
Thickness	Pipes: 6mm, 9mm, 13mm: $\pm 1\%$ 19mm: $\pm 2\%$ , 25mm, 30mm: $\pm 2,5\%$	PrEN 13467	self monitoring
	System, Sheets, Rolls: 6mm: $\pm 1\text{mm}$ , 10, 13 & 19mm: $\pm 1,5\text{mm}$ 25, 32, 36 & 40mm: $\pm 2\text{mm}$	EN 823	self monitoring
	UV PLUS Film: 125 $\mu\text{m}$	DIN 53370	self monitoring
UV PLUS Film weight	135 gr/m <sup>2</sup>	ISO 536	
UV PLUS Film traction resistance	Longitudinal 75 N, Transversal 78 N	DIN 55531	
UV PLUS Film adhesive traction resistance	Longitudinal 40 N/15mm, Transversal 41 N/15mm	DIN 55531	
Corrosion resistance	Water soluble ions in accordance	DIN 1988-7, PrEN 13823	MPA
Oil & grease resistance	Very good	ASTM D 471	self monitoring
Weather resistance	Good		
Chemical resistance	Diluted Acids, Aliphatic Hydrocarbons, Alcohols	Resistant	
	Diluted Alkalis, Aromatic & Halogenated Hydrocarbons	Moderate resistant	
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.