



Pipes System Sheets Rolls

TECHNICAL DATA SHEET

PROPERTY	TECHNICAL DATA	TEST METHOD	LAB / TEST REPORTS
Thermal conductivity (λ)	0°C - 0,040W/mk	EN 12667	self monitoring
	40°C - 0,045W/mk	EN ISO 8497	self monitoring
Permeability (μ)	≥ 4000	EN 13469, EN 12086	self monitoring, RTU / BDA KEUR
	<i>UV PLUS Film:</i> 0,03 gr/m ² / 24h 90% rel. humidity at 38°C		
Density (ρ)	70 – 85 Kgr/m ³	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)	<i>Pipes, System, Sheets, Rolls:</i> -40°C to +150°C (+175°C)		
	<i>UV PLUS Film:</i> -40°C to +85°C		
Fire rating	E - s3, d0 for Pipes System, Sheets, Rolls	EN 13823 EN ISO 11945-2	
Diameter tolerance min-max allowed tolerances of insulation above the external diameter of the pipe	<i>Pipes:</i> Ø6 - Ø54: +1mm to +2mm Ø60 - Ø76: +1mm to +3mm Ø88 - Ø139: +1mm to +4mm	PrEN 13467	self monitoring
	<i>System, Sheets, Rolls:</i> Length: $\pm 1,5\%$, Width: $\pm 2\%$	EN 822	self monitoring
Thickness	<i>Pipes:</i> 6mm, 9mm, 13mm: $\pm 1\%$ 19mm: $\pm 2\%$, 25mm, 30mm: $\pm 2,5\%$	PrEN 13467	self monitoring
	<i>System, Sheets, Rolls:</i> 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
	<i>UV PLUS Film:</i> 125 μm	DIN 53370	self monitoring
UV PLUS Film weight	135 gr/m ²	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	
Weather resistance	Excellent	ASTM D 518	self monitoring
Oil & grease resistance	Very good	ASTM D 471	
UV Resistance	Excellent	ASTM D 518	self monitoring
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	
PVC-ODP zero	Free		
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.