



Pipes System Sheets Rolls

## TECHNICAL DATA SHEET

PROPERTY	TECHNICAL DATA	TEST METHOD	LAB / TEST REPORTS
Thermal conductivity ( $\lambda$ )	0°C - 0,040W/mk	EN 12667	self monitoring
	40°C - 0,045W/mk	EN ISO 8497	self monitoring
Permeability ( $\mu$ )	$\geq 4000$	EN 13469, EN 12086	self monitoring, RTU / BDA KEUR
	UV PLUS Film: HD Film: 0,028gr/m <sup>2</sup> / 24h	ISO 15106-2	
Density ( $\rho$ )	70 – 85 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, System, Sheets, Rolls: -40°C to +150°C (+175°C)		
	HD Film: -25°C to +75°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	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
	HD Film: 230 $\mu\text{m}$	DIN 53370	self monitoring
HD Film weight	340 gr/m <sup>2</sup>	ISO 536	
HD Film puncture	Ø 0,8mm = 23 N	Pr EN 14477	
	Ø 2,0mm = 87 N		
Weather resistance	Excellent	ASTM D 518	self monitoring
Oil & grease resistance	Very good	ASTM D 471	
UV Resistance	Excellent	ASTM D 518	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	
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.