



Data Sheet

hpg Hook & Loop >MIDI< COMPOSITE®

Properties hpg >MIDI< COMPOSITE® pipe

PE-RT Type	I
Available colours	customizable
Areas of application	Heating / cooling
Max. operation temperature acc. ISO 10508 Class 4 / 5 (°C)	70 / 90
Max. operation pressure acc. ISO 10508 Class 4 / 5 (bar)	6
Thermal conductivity (W/mK)	0,4
Linear expansion coefficient (mm/mK)	0,195
Surface roughness (inside pipe) (mm)	0,007
Max. bending radius (OD)	<18mm 5 x pipe ≥18mm 8 x pipe
Oxygen barrier acc. DIN 4726 [mg/(m².d)] 40 °C (class 4)	<0,32
Oxygen barrier acc. DIN 4726 [mg/(m².d)] 80 °C (class 5)	<3,60

Properties KLETTband aplix® 963

Extruded micro hook tape	
Material	100 % Polypropylen, synthetic rubber-based adhesive
Backside	Self-adhesive, without release liner
Colour	white
Width (mm)	13+/-1

size	outer diameter (mm)	wall thickness (mm)	max. ring range (m)	vol. / diameter (L/m)	weight / meter
12 x 1,3	12 + 0,3	1,3 + 0,3	1000		
12 x 1,5	12 + 0,3	1,5 + 0,3	1000		
12 x 2,0*	12 + 0,3	2,0 + 0,3	1000	0,05	0,067
14 x 2,0*	14 + 0,3	2,0 + 0,3	1000	0,079	0,080
15 x 1,5	15 + 0,3	1,5 + 0,3	600		
16 x 1,5	16 + 0,3	1,5 + 0,3	600		
16 x 2,0*	16 + 0,3	2,0 + 0,3	600	0,113	0,094
17 x 2,0*	17 + 0,3	2,0 + 0,3	600	0,133	1,000

Norms:

ISO: 10508:2006 21003-
2:2008-11 24033:2009 22391

DIN: 16833:2009-09
4726:2008-10

Certificates:

*KIWA KOMO K13789
SKZ A220
DIN CERTCO 3V217
CE/ETA 16/0033 V.2