

Polyethylene PERT II - EVOH - Oxygen Barrier - 5 layer

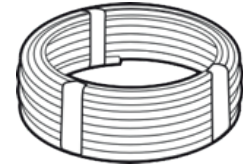


MATERIAL SPECIFICATION

PERT Type II - Dowlex 2388
EVOH - Ethylene Vinyl Alcohol

BRAND

EvoPERT EVOH
SharkBite PERT EVOH
OEM brand




DIMENSIONS & LENGHT mm

ø 16x2,0	50 - 100 - 120 - 200 - 240 - 500 m
ø 20x2,0	50 - 100 - 120 - 200 - 240 - 500 m
ø 25x2,3	25 - 50 - 100 m
ø 32x2,9	25 - 50 - 100 m

ø 16x2,2	50 - 100 - 120 - 200 - 240 - 500 m
ø 20x2,8	50 - 100 - 120 - 200 - 240 - 500 m
ø 25x3,5	25 - 50 - 100 m
ø 32x4,4	25 - 50 - 100 m

COLORS

Natural White Red Blue Black Green Purple Silver



All colors are co-extrusion - Inner layer natural - External layer of color

FIELDS OF APLICATION



Drinking Water
Supply



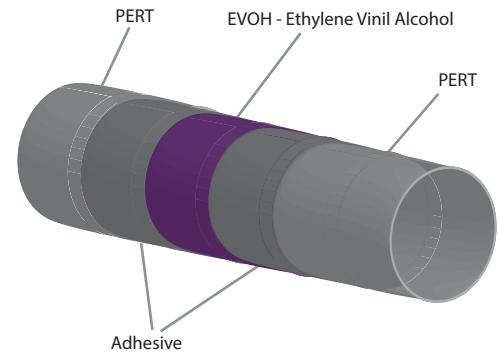
Sanitary Hot
Water



Cold Water
Supply



Underfloor Heating
& Cooling



	ø 16x2,0	ø 20x2,0	ø 25x2,3	ø 32x2,9
Internal diámetro (mm)	12,0	16,0	20,4	26,2
Volume of liquid (l/m)	0,113	0,201	0,327	0,539
Max. temperature (°C)	70	70	70	70
Max. pressure (95° C)	6 bar	4 bar	4 bar	4 bar
Min. bending radius/hot	35 mm	45 mm	55 mm	100 mm
Min. bending radius/cold	35 mm	90 mm	125 mm	165 mm
Burst pression at +20° C	23 bar	20 bar	16 bar	22 bar

	ø 16x2,2	ø 20x2,8	ø 25x3,5	ø 32x4,4
Internal diámetro (mm)	11,6	14,4	18,0	23,2
Volume of liquid (l/m)	0,106	0,163	0,250	0,423
Max. temperature (°C)	70	70	70	70
Max. pressure (95° C)	8 bar	6 bar	6 bar	6 bar
Min. bending radius /hot	35 mm	45 mm	55 mm	100 mm
Min. bending radius /cold	35 mm	90 mm	125 mm	165 mm
Burst pression at +20° C	29 bar	25 bar	20 bar	27 bar

Gas barrier properties of EVOH

Gas		GTR (cm ³ .20µm/m ² .day.atm)
Oxygen	O ₂	0.18
Nitrogen	N ₂	0.017
Carbon monoxide	CO	0.25
Carbon dioxide	CO ₂	0.59
Methane	CH ₄	0.4
Ethylene	C ₂ H ₄	0.1
Butane	C ₄ H ₁₀	0.1
Chlorine	Cl ₂	0.022
Sulphur Dioxide	SO ₂	0.3

Measuring conditions: 23°C - 0%RH (ASTM D1434T) - Properties of EVOH - ethylene content = 32 mol%

Manufactured in conformity with the following international standards

ISO 22391. Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT)
DIN 4726.