

Uponor Magna pipe PLUS



IC0000120

CD0000574

Uponor heating pipe

Description	Value	Value
Product name	Uponor Magna pipe PLUS 20x2,0mm	Uponor Magna pipe PLUS 25x2,3mm
Pipe dimension	20 x 2,0 mm	20 x 2,3 mm
Coil length	240; 480 m	300; 640 m
Material	PE-Xa, 5-layer pipe	PE-Xa, 5-layer pipe
Colour	White outer layer with 2 blue longitudinal stripes	White outer layer with 2 blue longitudinal stripes
Pipe marking	Uponor Magna pipe PLUS 20x2,0 EN ISO 15875 C PE-Xa Class 5/6 bar, Oxygen diffusion tight/DIN 4726 (Country code,Material code pipe,Material code evoh,Machine,Year,Month,Date) Made in Sweden	Uponor Magna pipe PLUS 25x2,3 EN ISO 15875 C PE-Xa Class 5/6 bar, Oxygen diffusion tight/DIN 4726 (Country code,Material code pipe,Material code evoh,Machine,Year,Month,Date) Made in Sweden
Manufacturing	According to EN ISO 15875; UAX™ technology	According to EN ISO 15875; UAX™ technology
Certificates	KOMO K98949; DIN CERTCO 3V415	KOMO K98949; DIN CERTCO 3V415
Application	Class 4 + 5 / 6 bar (EN ISO 15875)	Class 4 + 5 / 6 bar (EN ISO 15875)
Max. operating temperature	90 °C (EN ISO 15875)	90 °C (EN ISO 15875)
Max. peak temperature	100 °C (EN ISO 15875)	100 °C (EN ISO 15875)
Max. operating pressure	6,5 bar at 70 °C (safety factor 1,5) (EN ISO 15875)	6,5 bar at 70 °C (safety factor 1,5) (EN ISO 15875)
Pipe jointings	Uponor compression fittings (e.g. Rapex) Uponor Q&E fittings	Uponor compression fittings (e.g. Rapex) Uponor Q&E fittings
Weight	0,122 kg/m	0,174 kg/m
Water volume	0,191 l/m	0,312 l/m
Oxygen tightness	According to ISO 17455; DIN 4726	According to ISO 17455; DIN 4726
Density	0,934 g/cm ³ /more flexible	0,934 g/cm ³ /more flexible
Thermal conductivity	0,35 W/mK	0,35 W/mK
Linear expansion coefficient	at 20 °C, 0,00014 m/mK at 100 °C, 0,000205 m/mK	at 20 °C, 0,00014 m/mK at 100 °C, 0,000205 m/mK
Crystallite melting temperature	+130 °C	+130 °C
Building material class	B2 or E according to DIN 4102 or EN 13501	B2 or E according to DIN 4102 or EN 13501
Min. bending radius	8xd if free bending 5xd if supported bend (70 mm)	8xd if free bending 5xd if supported bend (70 mm)
Pipe roughness	0,0005 mm	0,0005 mm
Best mounting temperature	≥ 0 °C	≥ 0 °C
UV protection	Opaque cardboard (store remaining quantities in the cardboard box)	Opaque cardboard (store remaining quantities in the cardboard box)
Water additives	Uponor anti-freeze agent GNF, material class 3 (DIN 1988, part 4)	Uponor anti-freeze agent GNF, material class 3 (DIN 1988, part 4)

Mechanical and physical properties of a Uponor PE-Xa base pipe

Description	Value	Value
Tensile strength	at 20 °C, 15-22 N/mm ² (ISO 6259)	at 20 °C, 15-22 N/mm ² (ISO 6259)
Fracture limit	at 20 °C, 25-30 N/mm ² (ISO 6259)	at 20 °C, 25-30 N/mm ² (ISO 6259)
Elongation at fracture	at 20 °C, 700-900 % (ISO 6259)	at 20 °C, 700-900 % (ISO 6259)
E-module (secant) in tensile test at 100 % min. and 1 % elongation	at 20 °C, 400-600 N/mm ² (ISO 527)	at 20 °C, 400-600 N/mm ² (ISO 527)
Impact resistance	at -20 °C without fracture (ISO 179) at 100 °C without fracture (ISO 179)	at -20 °C without fracture (ISO 179) at 100 °C without fracture (ISO 179)
Cross-linking level	≥ 70 % (EN ISO 15875)	≥ 70 % (EN ISO 15875)

Uponor GmbH

Industriestraße 56,
D-97437 Hassfurt, Germany

1137606 v2_10_2022_EN
Production: Uponor/ELO

Uponor reserves the right to make changes, without prior notification, to the specification of incorporated components in line with its policy of continuous improvement and development.



www.uponor.com