x-net

KERMI
A leading brand of AFG

x-net 5-layer PE-Xc pipe 20 x 2 and 25 x 2.3



PE-Xc

- Polyethylene pipe cross-linked with electron beams
- 5-layer technology to protect the EVOH oxygen barrier layer
- Made in Germany

DIN Geprüft

DIN-Certco registration
3V200 MVR (P)

Technical data

	Standard	Unit	20 x 2	25 x 2.3
Product code				
240 m roll			SFRPE020024	SFRPE025024
600 m roll			SFRPE020060	SFRPE025060
General pipe data				
Nominal outer diameter [1)]	DIN 16893	mm	20	25
Nominal wall thickness [1)]	DIN 16893	mm	2.0	2.3
Inner diameter		mm	16	20.4
Water content		l/m	0.201	0.327
Weight per metre of pipe without water		kg/m	0.117	0.167
Weight per metre of pipe with water		kg/m	0.318	0.494
Material properties				
Degree of cross-linking	DIN 16892	%	> 60	
Density	DIN 53479	g/cm³	0.94	
Elastic modulus at 20°C	DIN 53457	N/mm²	600	
Tensile strength	DIN 53455	N/mm²	23	
Elongation at break	DIN 53455	%	400	
Thermal longditunal expansion coefficient 20°C	DIN 52328	mm/mK	0.14	
Pipe wall roughness	acc. to Prandtl-Colebrook	mm	0.007	
Thermal conductivity of pipe wall at 20°C	DIN 52612	W/mK	0.35	
Oxygen-tight at 40°C	DIN 4726	mg/m²d	≤ 0.32	
Oxygen-tight at 80°C	DIN 4726	mg/m³d	≤ 3.60	

1) acc. to standard requirements, the writing printed on the pipe includes also the dimensions of the basic pipe in brackets, i. e. without adhesive agent, oxygen barrier layer and protective layer.

Technical specifications subject to change!
We assume no liability for mistakes or printing errors.

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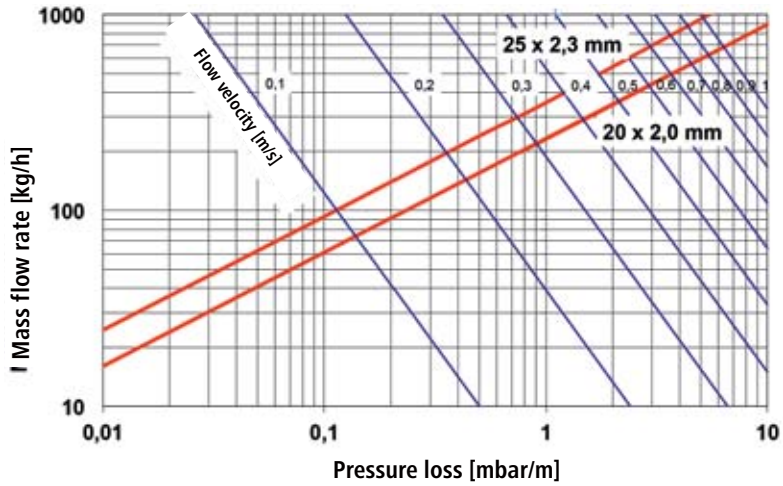
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	Standard	Unit	20 x 2	25 x 2.3
Processing				
Smallest bending radius 5xd at 20°C	DIN 4726	mm	100	125
Preparing to hold fittings	Cut pipe ends square and deburr with an appropriate tool			
Application conditions				
Permissible media	Heating water acc. to VDI 2035 and water-glycol-mixture (max. 30 % glycol)			
Application class	DIN EN ISO 15875		5	
Max. operating pressure	DIN EN ISO 15875	bar	6	
Max. operating temperature	DIN EN ISO 15875	°C	90	
Short time malfunction temperature	DIN EN ISO 15875	°C	100	
Attention: Do not operate both pressure and temperature at their maximum continuously at the same time!				
Pipe bundle lengths / Packaging / Storage				
Packed in special cartons		m	240	240
Stretch foil		m	600	600
Storage conditions acc. DIN 4726: do not store outdoors, do not expose to direct sunlight				

Pressure loss diagram



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