



Material properties of PE-Xa pipes made by LK PEX AB.

Property	Value	Unit	Standard
Degree of crosslinking	$\geq 70$	%	EN 579, ASTM D 2765
Density	$\geq 0.926$	g/cm <sup>3</sup>	ISO 1183:1987 method D
Thermal expansion coefficient	$1.8 \cdot 10^{-4}$	K <sup>-1</sup>	DIN 52328
Thermal conductivity	approx. 0.4	W/(m·K)	DIN 52612
Softening temperature	approx. 130	°C	
Break elongation	> 500	%	ISO 6259:3 – 1997
Oxygen permeability at 40 °C	$\leq 0.32$	mg/(m <sup>2</sup> ·d)	DIN 4726:3.5
	$\leq 0.10$	g/(m <sup>3</sup> ·d)	DIN 4726:3.5
Roughness factor	0.0005		

