



# Beer Python Specifications

*Bracton / Pacifcool Beer Python*

BEER TUBE	PE Ultra tube is manufactured by K-FLEX® from a specially formulated blend of polyethylene materials using optimised process conditions, resulting in an ultra-smooth surface; the raw materials are 100% virgin ensuring compliance with both European and American regulations regarding articles for food use. SK, NSF and FDA approved; good flexibility. Ultra-smooth inner surface; reduction in formation of biofilm; low adhesion of bacteria and yeast; extended cleaning cycles. Designed for use with OD push-fit connectors/ fittings. Extensively used throughout the beverage industry by soft drinks and beer companies for product and cooling applications. Also used for gas lines. Meets EU Directive 72/2002 for food contact use.  Size: PE Ultra 6.7*9.5mm (3/8”)   Line marking: Colour stripe   Operating temp: -10°C to +60°C.																										
GLYCOL TUBE	Size: PE Ultra 9.5*12.7mm (1/2”)   Line marking: Colour stripe   Operating temp: -10°C to +60°C.																										
INSULATION	<div>Wall thickness: 19mm, 25mm and 32mm wall<ul style="list-style-type: none"><li>elastomeric insulation for all civil and industrial applications</li><li>high performance for applications in a temperature range from -200 °c to +110 °c</li><li>prevents the risk of condensation and improves energy saving</li><li>class of reaction to fire euroclass bl-s2, d0</li><li>very fine closed cellular structure and high technical performance</li><li>resistant to mould, fungi and bacteria</li></ul></div> <div>K-FLEX® ▶ ST</div> <div>TECHNICAL DATA ▶ K-FLEX® ST TUBES</div> <table><tr><th>Property</th><th colspan="2">Value</th><th>Test method</th></tr><tr><td>Temperature range</td><td colspan="2">K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C</td><td>EN 14706 EN 14707</td></tr><tr><td>Thermal conductivity λ W/(m•K)</td><td>Thicknesses ≤ 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037</td><td>Thicknesses &gt; 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040</td><td>EN 13787 EN ISO 8497</td></tr><tr><td>Corrosion prevention</td><td colspan="2">pH neutral (7±0,5)</td><td>EN 13468</td></tr><tr><td>Permeability μ</td><td>≥ 10000</td><td>≥ 7000</td><td>EN 12086</td></tr><tr><td>Fire rating</td><td colspan="2">K-FLEX® ST Tubes Thickness up to 50 mm: Euroclass B<sub>L</sub>-s2, d0 Thickness over 50 mm: Euroclass B<sub>L</sub>-s3, d0 K-FLEX® ST/SK: Euroclass B<sub>L</sub>-s2, d0 Class 0</td><td>EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7</td></tr></table> <div>* For industrial applications, product can be applied down to -198°C; for applications below -40°C please contact our technical department.</div>			Property	Value		Test method	Temperature range	K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C		EN 14706 EN 14707	Thermal conductivity λ W/(m•K)	Thicknesses ≤ 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thicknesses > 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040	EN 13787 EN ISO 8497	Corrosion prevention	pH neutral (7±0,5)		EN 13468	Permeability μ	≥ 10000	≥ 7000	EN 12086	Fire rating	K-FLEX® ST Tubes Thickness up to 50 mm: Euroclass B <sub>L</sub> -s2, d0 Thickness over 50 mm: Euroclass B <sub>L</sub> -s3, d0 K-FLEX® ST/SK: Euroclass B <sub>L</sub> -s2, d0 Class 0		EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7
Property	Value		Test method																								
Temperature range	K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C		EN 14706 EN 14707																								
Thermal conductivity λ W/(m•K)	Thicknesses ≤ 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thicknesses > 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040	EN 13787 EN ISO 8497																								
Corrosion prevention	pH neutral (7±0,5)		EN 13468																								
Permeability μ	≥ 10000	≥ 7000	EN 12086																								
Fire rating	K-FLEX® ST Tubes Thickness up to 50 mm: Euroclass B <sub>L</sub> -s2, d0 Thickness over 50 mm: Euroclass B <sub>L</sub> -s3, d0 K-FLEX® ST/SK: Euroclass B <sub>L</sub> -s2, d0 Class 0		EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7																								
INTERNAL WRAP	Food grade polyethylene stretch wrap																										
EXTERNAL WRAP	PVC self adhesive																										
NZ STOCK OPTIONS	PART #	DESCRIPTION	OUTSIDE DIAMETER (mm)																								
For other configurations please enquire (30LM minimum order)	BR6+2-32mm	6 Beer + 2 Glycol lines, 32mm insulation	90																								
	BR8+4-32mm	8 Beer + 4 Glycol lines, 32mm insulation	100																								
	BR12+4-32mm	12 Beer + 4 Glycol lines, 32mm insulation	110																								
	BR16+4-32mm	16 Beer + 4 Glycol lines, 32mm insulation	115																								