

FlavourGuard Ultra



Information

Description FLAVOURGUARD ULTRA TUBING.

Main Application CONVEYING STRONGLY FLAVOURED SOFT DRINK SYRUPS AND BEVERAGES.

Certifications All materials are 100% virgin and comply with the relevant EU Regulations for plastic materials that encounter foodstuffs.
Also complies with FDA Regulations, Section 21CFR177.1500 Nylon resins.
NSF-51 Approval

Materials

Inner Layer - NYLON WITH AN ULTRA-LOW FLAVOUR ADSORPTION

Outer Layer - MODIFIED MEDIUM DENSITY POLYETHYLENE

Tubing Properties

	Inner ø	Outer ø	Safe Working Pressure (bar)	*CO ² Gas Permeability	Bend Rad. (mm)	**Pressure Loss (mbar)	
						2.1 l/min	5.0 l/min
Metric	1.6mm	3.2mm	26.0		10	-	-
	1.9mm	4.0mm	27.0		12	-	-
	2.4mm	4.0mm	19.0		15	-	-
	6.7mm	9.5mm	13.0	0.65	40	25	-
	9.5mm	12.7mm	11.0	0.80	60	-	24
	12.7mm	16.0mm	9.0		70	-	5
Imperial	0.147"	0.212"	19.0	0.37	18	405	-
	0.165"	0.212"	15.0	0.43	20	231	-
	0.170"	0.250"	14.7	0.42	20	202	-
	0.265"	0.375"	13.0	0.65	40	25	-
	0.375"	0.500"	11.0	0.80	60	-	24

Maximum Operating Temperature 55 °C

Minimum Roughness 0.3 µm

Notes / Copyright

*Any figures for gas permeation are given in units of cm³/m/day/bar. **Pressure loss properties were determined by assuming a flow of water at 20°C through 1 metre of tubing with a fluid flow rate of 2.1 / 5.0 litres per minute.

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