

## CTPA HILCON L - Hilcon L Convoluted Tubing, Polyimide 6, Halogen Free and Low Smoke



Corrugated tubes are made of a Polyimide 6, which is modified with a special heat stabilizer in order to achieve a particularly high heat deflection temperature. Hilcon-L corrugated tubes are both halogeneous and cadmium free and UV steady as well as being Halogen free and Low Smoke.

### Chemical Stabilities (in the direct contact)

Gasoline's with 23°C	Well steadily
Brake Fluids with 23°C	Well steadily
Antifreeze (+H2O) with 23°C	Well steadily
Cleaning agent with 23°C	Well steadily
Lubricant and fat with 23°C	Well steadily
Acids (strongly diluted)	Moderately steadily
Acids generally	inconsistently



### Standard Colours & Colour Codes

Black - 0

Grey - 8

A ID	B OD	SLIT	UN-SLIT
mm	mm	ORDERING DESCRIPTION	
5.0	7.1	HILCON-LS-6-colour code-CLS	HILCON-L-6-colour code-CLS
6.8	10.0	HILCON-LS-8-colour code-CLS	HILCON-L-8-colour code-CLS
8.6	11.4	HILCON-LS-10-colour code-CLS	HILCON-L-10-colour code-CLS
10.0	13.0	HILCON-LS-12-colour code-CLS	HILCON-L-12-colour code-CLS
12.8	15.8	HILCON-LS-16-colour code-CLS	HILCON-L-16-colour code-CLS
16.8	21.2	HILCON-LS-20-colour code-CLS	HILCON-L-20-colour code-CLS
21.5	25.4	HILCON-LS-25-colour code-CLS	HILCON-L-25-colour code-CLS
23.4	28.3	HILCON-LS-28-colour code-CLS	HILCON-L-28-colour code-CLS
29.2	34.5	HILCON-LS-32-colour code-CLS	HILCON-L-32-colour code-CLS
36.2	42.4	HILCON-LS-40-colour code-CLS	HILCON-L-40-colour code-CLS
47.9	54.5	HILCON-LS-50-colour code-CLS	HILCON-L-50-colour code-CLS

### Properties/Technical data

Continuous temperature	-40°C till + 140°C
Brief application temperature	+ 160°C
Density (DIN 53 479)	1,12 till 1,15 g/m <sup>3</sup>
Moisture absorption	2,5 till 3%
Yield point (DIN 53 455)	40 - 70 Mpa
Elongation (DIN 53 455)	50 - 200%
E-Modul (DIN 53 457)	1200 - 2000 MPa
Dielectric strength (DIN 53 453)	Without break
Tensile impact strength (DIN 53 453)	Without break
In flammability	FMVSS 302 Type B (v<100mm/min) UL 94 - HB

### Tolerances for A & B

Nominal size 4,5 till 14	+/- 0,20mm
Nominal size 15 till 29	+/- 0,30mm
Nominal size 32 till 50	+/-0,40mm