

## Article

Art.-No.	Article	Dimension	Color
0.0.643.86	Conduit Profile U 40x40 K	1 pce. length 3000 mm	grey similar to RAL 7042
0.0.647.84		cut-off max. 3000 mm	
0.0.648.05	Conduit Profile U 80x80 K	1 pce. length 3000 mm	grey similar to RAL 7042
0.0.648.06		cut-off max. 3000 mm	
0.0.647.90	Conduit Profile U 80x40 D80 K	1 pce. length 3000 mm	grey similar to RAL 7042
0.0.647.89		cut-off max. 3000 mm	
0.0.643.87	Lid Profile D40 K	1 pce. length 3000 mm	grey similar to RAL 7042
0.0.647.85		cut-off max. 3000 mm	
0.0.647.92	Lid Profile D80 K	1 pce. length 3000 mm	grey similar to RAL 7042
0.0.647.91		cut-off max. 3000 mm	

## Common Properties

Properties	Unit	Values	Standard
Material	-	Polyvinylchlorid	-
Density	g/cm <sup>3</sup>	1,44 ± 0,03	ISO 1183

## Mechanical Properties

Properties	Unit	Values	Standard
Tensile Strength	MPa	≥ 30	ISO 527-2
Elongation at fracture	%	≥ 15	ISO 527
Bending Strength at break	MPa	~ 100	ISO 178
Elongation at break	%	≥ 50	ISO 527-2
Flexural modulus of elasticity	MPa	≥ 2600	ISO 178
Charpy impact strength (unnotched)	kJ/m <sup>2</sup>	≥ 8	ISO 179-1
Ball indentation hardness	MPa	> 100	DIN ISO 2039-1

## Thermal Properties

Properties	Unit	Values	Standard
Linear thermal coefficient of expansion (23°C - 70°C)	10 <sup>-6</sup> x K <sup>-1</sup>	~ 80	DIN 53752
Stationary thermal resistance	W / (K x m)	0,17	ISO 8302
Vicat softening temperature	°C	≥ 80	ISO 306

## Electrical Properties

Properties	Unit	Values	Standard
dielectric strength	kV/mm	> 30	DIN IEC 60093-A1
Specific volume resistance	Ωm	>10 <sup>14</sup>	IEC 61340-5-1
Surface resistance	Ω	>10 <sup>15</sup> 10 <sup>4</sup> bis 10 <sup>8</sup> (ESD)	IEC 61340-5-1
Dielectric constant: 50 Hz 850 Hz 1 MHz	Ωcm	3,2 - 3,7 3 - 3,5 ~ 3	DIN 53483-1
Dielectric loss factor 800	MHz	0,012 - 0,015	DIN 53483-1

## Water absorption

Properties	Unit	Values	Standard
Storage at 23°C until saturation	%	0,1	ISO 62

## Flame Characteristics

The material is approved according to UL94-V0 for wall thicknesses from 0.7 to 3.0 mm.

## Handling and storage

Properties	
Handling	The product can be processed with standard machines and tools.
Recommended storage	Horizontal, dry, protected for climatic condition.

## Disposal

Basically, the country-specific laws and regulations regarding waste disposal must be observed.

Thermal recycling is preferable to landfill disposal. The disposal of the ashes resulting from thermal recycling in orderly industrial waste landfills is unproblematic.

## Cleaning

Rinse the surface with lukewarm water and remove dirt and deposits with a soft cloth or sponge and a mild, non-abrasive soap solution. Rinse with cold water and dry with a soft cloth to prevent water stains. Test detergent at an unobtrusive place firstly.

## Desinfection

In principle, the country-specific laws and regulations relating to disinfection must be observed.

Ethanol, propanol and isopropyl alcohol (also called isopropanol) are alcohols and have a disinfectant effect. They damage the shell of bacteria, fungi and viruses and kill them in this way. Isopropanol is a highly concentrated alcohol and is often used as a substitute for ethanol. The areas of application are diverse, but be careful when using it. Isopropanol, also known as isopropyl alcohol and 2-propanol, is one of the secondary alcohols.

PC can be cleaned and disinfected quickly and easily with ethanol and isopropanol, as PC is not attacked by these solvents. The duration of contact should be kept to the minimum necessary. Test at an unobtrusive place firstly.

## REACH, RoHS

Properties	
Regulation (EG) Nr. 1907/2006 (REACH)	compliant
Regulation 2011/65/EU (RoHS) inkl. EU 2015/863	compliant
silicone	Silicon is not relevant for production, however, minimal contact with silicone-containing lubricants or cleaning agents cannot be completely ruled out when handling and producing our products.

The above information is based on the current state of our knowledge and does not represent an assurance of properties. The recipient of the product is responsible for observing existing laws and regulations.

Subject to technical changes, errors excepted.