

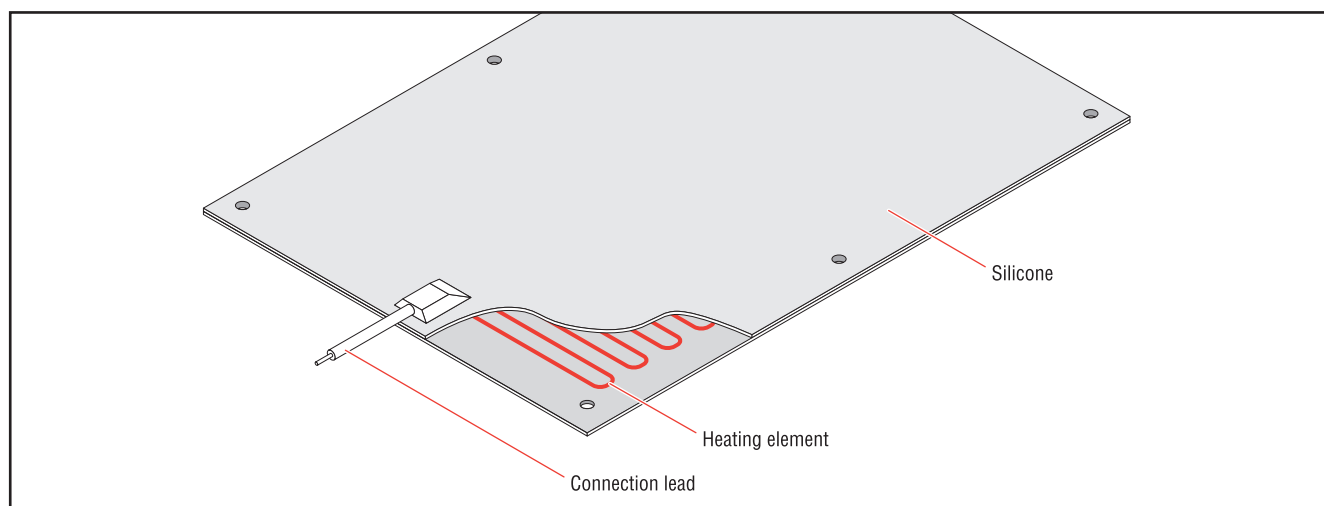
Standard silicone heating mat

Isopad IP-DASI silicone heating mats for industrial use are selected where excellent flexibility and high temperature resistance in thermal processes are required. The processed silicones have good resistance to ozone, oxygen, weathering, ageing effects, bacterial and fungal attacks. They are also highly resistant to various chemicals such as alcohol, acetylene, mineral oil, acids, glucose, and glues.

Used according to the manual instructions, IP-DASI heaters do not exceed the maximum panel temperature of 200°C, so no temperature sensor or controller is necessary.

The maintain temperature depends on the local environment. If you want more precise control, you can add an optional Isopad or DigiTrace controller and temperature sensor.

Special customized heating panels are available on demand; see our IP-SM datasheet for options. Please contact your local sales person for more details.



Area Specifications

Area classification	Nonhazardous, ordinary area
Ingress protection	IP65
Electrical protection class	Class II
Maximum withstand temperature (power off)	200°C
Storage temperature	-20 to +40°C
Minimum installation temperature	-45°C

Heater Construction

Type	Resistance heating cable
Material	Various alloys
Carrier	Silicone mat
Material insulation	Silicone
Fixing and closure type	Holes 4 mm diameter

Lead Connection

Connection length	1.0 m
Cross section	2 x 0.75 mm ²
Maximum operating temperature	180°C
Insulation material	Silicone

Technical Data

Frequency	50-60 HZ
Nominal operating voltage	230 Vac
Minimum insulation resistance	100 MΩ
Maximum operating temperature	200°C
Minimum bend radius	15 mm
Maximum area load	35 W/dm ²
Maximum compression strength	40 N/cm ²

Ordering Information

Part number	For standard sizes	Length ⁽¹⁾ (L) (mm)	Width ⁽¹⁾ (W) (mm)	Thickness ⁽²⁾ (S) (mm)	Nominal Voltage (Vac)	Nominal Power ⁽³⁾ (W)	Weight (kg)
375894-000	DINA4	297	210	3.3	230	220	0.35
524736-000	DINA3	420	297	3.3	230	440	0.7
188460-000	DINA2	594	420	3.3	230	980	1.2
611654-000	DINA1	841	594	3.3	230	1960	2.3

⁽¹⁾ Tolerances <400 mm ±2.5 mm
>400 mm ±4.0 mm

⁽²⁾ Tolerances ±0.5 mm

⁽³⁾ Tolerances ±10%