

# Cardlam™ 230 Lamination Heat Pads



**Cardel Cardlam™ 230 lamination pads offer optimum productivity and quality in all types of plastic card lamination including Identity cards and Smart cards.**

**Cardlam™ 230 lamination pads have been developed for specific use in high temperature lamination of Identity and Smart cards achieving:**

Used globally in the manufacture of polycarbonate Identity cards, banking cards and RFID pre-lams.

Up to 30% increase in lamination output.

Assist in the elimination of laking and frosting.

Rapid and even heat distribution.

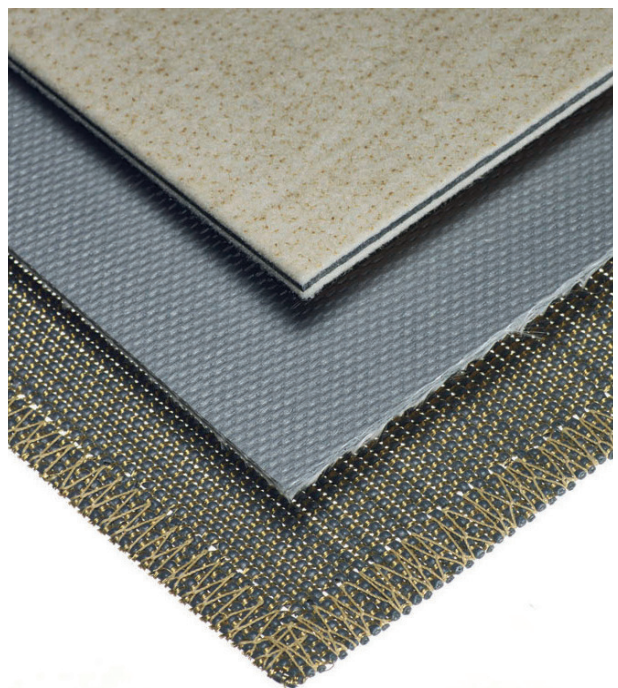
Excellent compressive qualities and reduces static for improved handling.

Clean pad - no fibre contamination.

High durability - typically 8-10,000 operations.

Compatible with all types of laminators.

Easy handling - suitable for tilt table systems.



## Lamination Heat Pads

### Technical Data

#### Textile Data

Type of weave:	Herringbone Twill.
Nominal fabric weight:	3400 g/m <sup>2</sup> .
Nominal metallic content by weight:	73%.
Nominal thickness before use:	2.00mm.
Nominal areal metallic content:	28%.
Warp yarns per decimetre (metallic):	84.
Weft yarns per decimetre (silicone):	47.
Maximum available width:	2700mm.

#### Silicone Elastomer Data

Hardness:	70 IRHD.
Colour:	Clear translucent.
Wall thickness:	0.4mm.
Moisture and Ozone Stability:	Excellent.
Chemical Stability:	Excellent.
Oil resistance:	Excellent.
Flexibility temperature range:	-65°C to 265°C.
Density:	1.2 g/cm <sup>3</sup> .
Elongation at break:	300%.
Cut-through resistance:	Excellent.

#### Metallurgical Data

Warp:	Brass 70/30 Alloy
Weft:	Annealed Copper

#### Performance Specification

Thermal conductivity:	0.139 W/mK.
Thermal resistance:	0.141 tog.
Maximum continuous temperature:	230°C.
Nominal Maximum Pressure:	100 bar.

Cardel Products are used daily throughout the global card industry and are produced to the highest standards for application in card production.