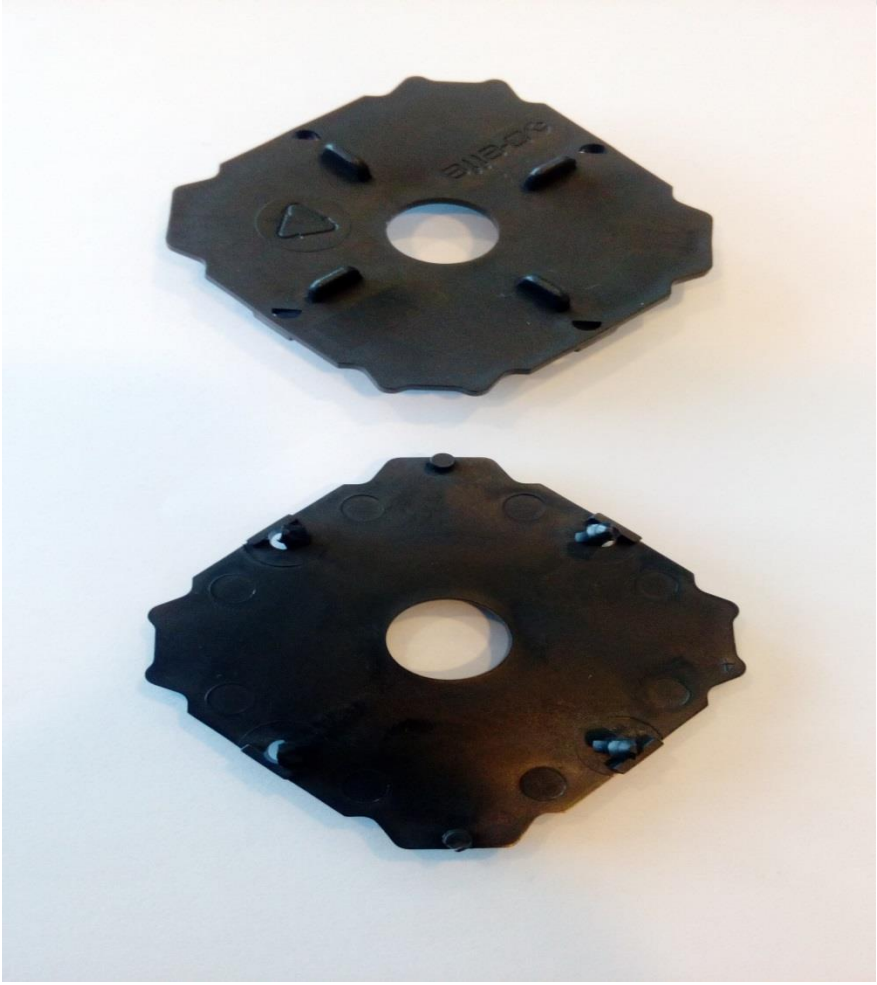
FICHA JUNTA CONDUCTIVA PARA PEDESTAL QBASE

A continuación le enviamos la documentación técnica del material que se utiliza para la elaboración de las juntas conductivas para el pedestal QBASE (adjuntamos foto). El aspecto exterior es idéntico a la junta “estándar” salvo por el hecho de que las conductivas son algo más duras y pueden tener una tonalidad ligeramente distinta.



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FICHA JUNTA CONDUCTIVA PARA PEDESTAL QBASE

High Performance Thermoplastics LATI

LATISTAT 48/9900-03

ethylene vinyl acetate base (EVA); low specific resistivity; good flexibility and impact resistance.

Processing conditions

Drying temperature (min - max):	70 - 80 °C	Temperature and drying time are reduced when using vacuum ovens.
Drying period (minimum):	3 h	
Melt temperature (min - max):	190 - 200 °C	
Mould temperature (min - max):	20 - 40 °C	
Injection speed:	medium	

Rheological properties

Moulding shrinkage, parallel (longitudinal):	1,00 %	LATI
Moulding shrinkage, normal (transverse):	1,00 %	LATI

Mechanical properties

Flexural modulus +23 °C:	130 MPa	ASTM D 790
Tensile strength +23 °C:	11 MPa	ISO 527
Rockwell hardness M:	28	ASTM D 785
Izod - Impact strength (notched) +23 °C:	NR J/m	ASTM D 256
Izod - Impact strength (notched) -20 °C:	NR J/m	ASTM D 256
Izod - Impact strength (notched) -40 °C:	NR J/m	ASTM D 256
Charpy - Impact strength (unnotched) +23 °C:	>300 kJ/m^2	DIN 53453
Charpy - Impact strength (unnotched) -20 °C:	>300 kJ/m^2	DIN 53453
Charpy - Impact strength (unnotched) -40 °C:	>300 kJ/m^2	DIN 53453

Thermal properties

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Temp. of defl. under load (1.80 MPa):	34 °C	ASTM D648
Temp. of defl. under load (0.45 MPa):	42 °C	ASTM D648
Vicat softening temperature (50°C/h 50N):	49 °C	ISO 306
Heat resistance - Ball test (125°C):	-	IEC 335
Heat resistance - Ball test (165°C):	-	IEC 335
Coef. of lin. therm expansion, normal:	- E-5/°C	ASTM D 696
Glow wire test - thickn. 2mm:	- °C	IEC 695-2-1
Glow wire test - thickn. 1mm:	- °C	IEC 695-2-1

Flame retardancy

Flammability by Oxygen index:	- %	ISO 4589
Needle burner test (1,47 mm):	-	
Needle burner test (3,05 mm):	-	

Electrical properties

Surface resistivity:	1,00E+03 Ohm	IEC 93
Comparative tracking index:	- Volts	IEC 112
Electric strength (2mm):	- kV/mm	IEC 243-1

Other properties

Density:	1,05 g/ccm	ISO 1183
Water absorption in water at 23°C:	- %	ISO 62

Note

- To prevent product degradation, avoid moulding at temperatures higher than recommended.
- High injection speeds are liable to reduce conductivity values
- At the end of each production, clean carefully the nozzle, the cylinder, and eventually the screw
- Hot-runner moulding is generally not advisable

For more information or any question write to: techserv@it.lati.com

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