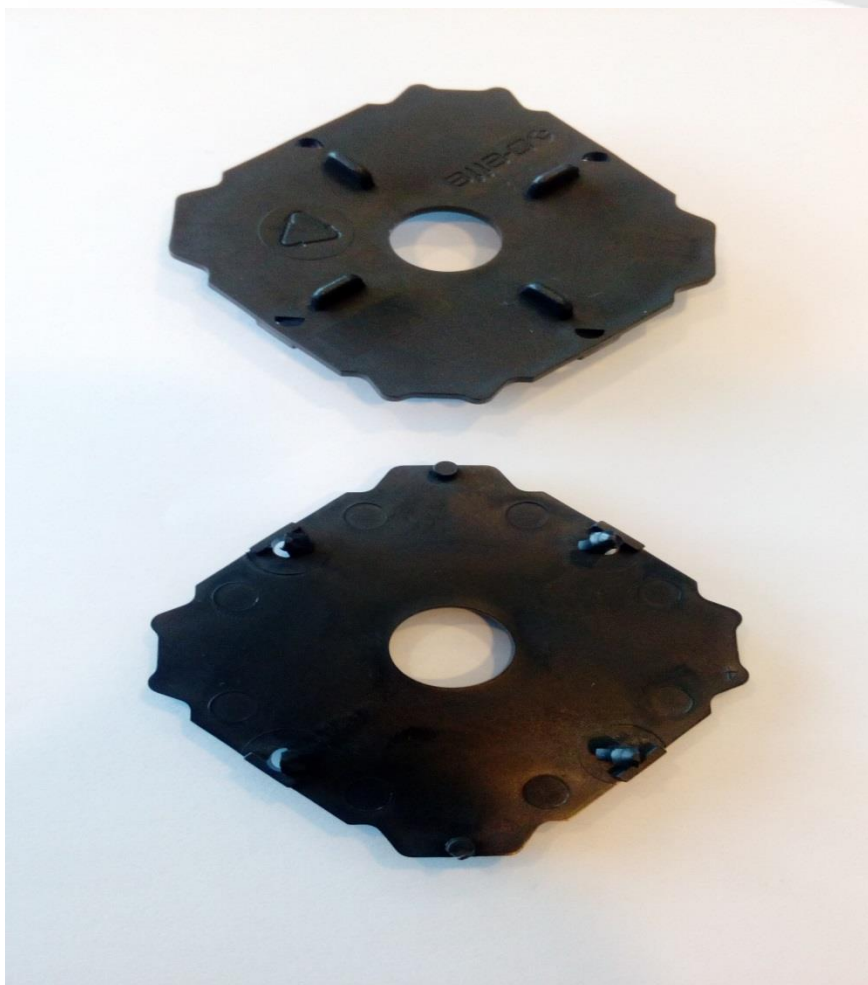


FICHA JUNTA CONDUCTIVA PARA PEDESTAL QBASE

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



FICHA JUNTA CONDUCTIVA PARA PEDESTAL QBASE

High Performance Thermoplastics **LATI**

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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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FICHA JUNTA CONDUCTIVA PARA PEDESTAL QBASE

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

This document contains information based on average values as obtained from the results of laboratory tests and observations made on our materials. Tested materials were injection molded, used in their natural color, and conditioned in compliance with Standard ASTM D 618, procedure A. These values refer to our best technical and scientific knowledge at the moment of testing and cannot be used as a basis for the development of applications. For a better assessment of the materials, you are kindly requested to contact our technical or commercial offices, which are at your disposal and will supply detailed information on the most suitable characteristics for their intended use. With reference to DPR n.224 dated May 24, 1988, issued in accordance with EC Guide-lines 85/374, LATI Industria Termoplastici S.p.A. declines all responsibility arising from an improper use of the products described in this document.

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

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