



SIKA HOT MELT ADHESIVES DOMESTIC APPLIANCES

- Decrease of cost per unit
- Increase of quality

SIKA HOT MELT ADHESIVES – TAKING A SHORTCUT BY USING HOT MELT ADHESIVES

Pressure sensitive hot melt adhesives tapes are widely used in the domestic appliances industry for quick attachment of decorative panels, touch screens, covers, trims and many other applications. We at Sika believe that there is a more cost efficient solution to tapes by removing the carrier and applying the hot melt adhesive directly to the components.

This has several technical advantages and brings significant cost savings.

Technology comparison of liquid applied hot melt and adhesive tapes							
Liquid Applied Hot Melt Adhesive – Polyurethan Reactive Hot Melt (PUR) and Pressure Sensitive Adhesive (PSA)				Adhesive Tape			
Easy application of the hot melt adhesive with semi or fully automated equipment and integration into robotic lines.	Cost per unit	↓	Quality	↑	Increased effort in application equipment depending on number of tapes per unit and required line speed.	Cost per unit	↑
The hot melt adhesive still allows repositioning of assembled part within the open time.	Cost per unit	↓	Quality	↑	Repositioning of assembled part not possible after assembly.	Cost per unit	↑
Hot melt adhesive is 100% solid, no solvent, no release paper = no waste.	Cost per unit	↓			Removal of release paper is one more process step and leads to more waste.	Cost per unit	↑
Opens up the opportunity to use reactive hot melt adhesive that react with moisture. Reactive hot melt form a durable high strength bond, even under cold and hot conditions.			Quality	↑	Reactive hot melt not used in tapes. Tapes can have significant lower performance under cold and hot conditions.		Quality
Liquid hot melt can be applied in any bead shape and on any substrate geometry, giving unparalleled design freedom.	Cost per unit	↓	Quality	↑	Tapes are limited on the preformed dimensions and shapes.	Cost per unit	↑
Thin-film application of hot melt adhesive – bond line not visible on edges or on interface between the substrates layer.			Quality	↑	Tape film and its carrier are visible on the edge, this may be visually irritating.		Quality
PSA adhesive can be foamed up to 60% to reduce the material cost further. Foaming of the PUR reactive hot melt adhesive possible when decrease of mechanical performance of the hot melt is acceptable.	Cost per unit	↓					

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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