Product Information

Jowatherm-Reaktant® 609.40

PUR hot melt adhesive for bonding operations in the assembly of appliance cover panels

Can be applied using all established methods

Low processing temperature

High initial strength

Jowat Klebstoffe

Jowatherm-Reaktant® 609.40, the PUR hot melt adhesive for bonding MDF boards in ABS frames for manufacturing top panels of household appliances.

High initial strength and low creep tendency of the bond are key to the automated processes necessary for large production quantities in the manufacture of “white goods” like washing machines, refrigerators and dish washers.

The PUR hot melt adhesive **Jowatherm-Reaktant® 609.40** supplied by Jowat supports automated processes and facilitates fast downline processing and fast packaging.
Its very good resistance to moisture and heat allows household appliances to meet the high requirements placed on them during everyday use.

Jowatherm-Reaktant® 609.40 is a PUR assembly adhesive with outstanding stability in the melt and high initial strength. Chemical crosslinking of the adhesive takes place within 1 to 3 days depending on ambient conditions, i.e. temperature, humidity and material moisture.

INFO: PUR hot melt adhesives

One-component, reactive polyurethane hot melt adhesives (PUR HM) are characterised by an additional chemical reaction with moisture after the physical solidification. During that crosslinking reaction, smallest amounts of CO_2 gas are formed, most of which evaporates from the adhesive film. At room temperature, the small amount of CO_2 gas is generally invisible to the human eye. The chemical reaction is triggered by ambient humidity and/or material moisture in the substrates. PUR hot melt adhesives therefore have to be protected from moisture during production, storage and processing to prevent a premature crosslinking of the adhesive. After complete curing, PUR hot melt adhesives cannot be melted again and have a high resistance to water, solvents and cleaning agents.

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Assembly adhesive for manufacturing top panels of household appliances made of ABS frames and MDF boards.

Polymber basis		PUR
Processing temperature	[°C]	110 – 130
Open time at 120 °C	[Min.]	approx. 2 ± 1
Reaction time	[d]	1 – 3 (depending on ambient conditions)
Density	[g/cm³]	approx. 1,1 ± 0,1
Viscosity at 120 °C	[mPas]	7,500 ± 1,500
Appearance		opaque