

POLY-CHEM SEALANTS LTD.

HU-6771 Szeged-Szőreg, Magyar u. 207.

Tel.: +36 62 541 037

Fax: +36 62 541 036

Email: info@poly-chem.eu

PRODUCT DESCRIPTION

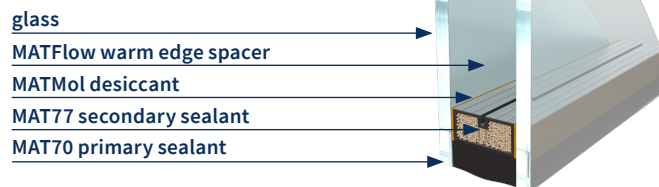
HotMAT hot melt butyl is a 100% solids, single-component sealant designed for the sealed insulating glass industry. It is formulated from butyl rubber, synthetic polymers and elastomers, to give outstanding adhesion to glass and aluminum when fabricated manually or reactivated in semi-automatic equipment. The product is resistant to degradation from ultraviolet light, temperature extremes and water immersion. Only for insulated glass manufacturing and for different applications please contact our Technical Department.

TECHNICAL SPECIFICATION

TECHNICAL CHARACTERISTIC	
Formulated from butylrubber, synthetic polymer and elastomer.	
COLOUR	black
DENSITY	870 g/l \pm 5
ODOUR	Weak, characteristic
DENSITY	1, 20 kg/l \pm 3%
MVTR	0.03 g/m ² /day (per ASTM test #E96 & EN1279-4)
THERMAL CONDUCTIVITY	0.22 W/mK
ARGON PERMEABILITY RATE	0.069 g/m ² /day (certified to EN1279-4)
RT OVERLAP SHEAR STRENGTH	3 bar
LINEAR EXTRUSION APPLICATION	100 °C – 120 °C
HAND GUN APPLICATION TEMP. (AT TIP)	165 °C – 185 °C

HotMAT

Hotmelt sealant for insulated glass units



APPLICATION

PRELIMINARY STATEMENT

Prior to application it is necessary to read the Safety Data Sheet for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labelling, the relevant precautions should always be observed.

PRE-TREATMENT

HotMAT is compatible with low E coatings. It should not be used in non-edge deleted applications unless approved by the glass supplier. HotMAT is not intended for structural glazing applications. HotMAT should only be used in sloped glazing applications after review by a design specialist. It should not be used if the IG is unframed or unsupported.

APPLICATION

Glass must be cleaned with detergent and hot water when using the HotMAT hot melt sealant. We suggest following your glass washer or glass supplier's recommended practices for glass washing. Good practices include using hot water (50 °C - 60 °C) and detergent. Contaminants like oil, dust, corrosion and dirt negatively affect the adhesion of any sealant. Check for cleanliness by taking a clean white cloth and wiping the spacer. Any noticeable particles or oils must be removed prior to manufacturing. Contact between HotMAT hot melt butyl edge seal and any solvent- or oil-containing glazing compound should be avoided.

STORAGE

FROST-SENSITIVE

None. Material must be stored at application conditions prior to use to avoid condensation.

RECOMMENDED STORAGE TEMPERATURE

+10°C to +30°C. Must be protected from direct sunlight and/or thermal radiation. Storage at temperatures below +10°C and above +30°C does not cause damages to the product, but requires a control of initial moisture value.

SHELF LIFE

HotMAT hot melt sealant has a shelf life of two year from the date of manufacture.

HAZARD INDICATIONS SAFETY RECOMMENDATIONS TRANSPORT REGULATIONS

See Safety Data Sheet

PACKAGING

HotMAT sealant is packaged into
6,5 kg cakes

Disclaimer:

The information, specified in this Product Information, is based on careful laboratory tests and prevailing practical experience. The information is not binding, which is also generally true for our practical customer service, given verbally, in writing and by tests, since, on account of the diversity of applications and use, also including possible industrial property rights of third parties. Analysis results and all information regarding state and suitability of our products are only guidelines with no obligation on our part. In addition, our General Sales and Delivery Conditions are applicable.

Warranty Information: POLY-CHEM warrants only that its product will meet its technical specifications. POLY-CHEM shall in no event be liable for incidental or consequential damage. POLY-CHEM's liability expressed or implied is limited to the stated selling price of any goods found defective. This Technical Data Sheet supersedes all previous editions.