

G10 - Hot Melt Process Adhesives for packaging

Ref: DataG10.2 23/02/05

G10 is a fast setting and clean machining formula principally used for carton erecting and sealing, tray erecting, outers and wrap around case packing.

G10 is designed to reduce odours and volatile emissions in the workplace, giving a safer and more pleasant working environment. It has a low viscosity and is very resistant to stringing on jet, dauber and fast wheel applicators.

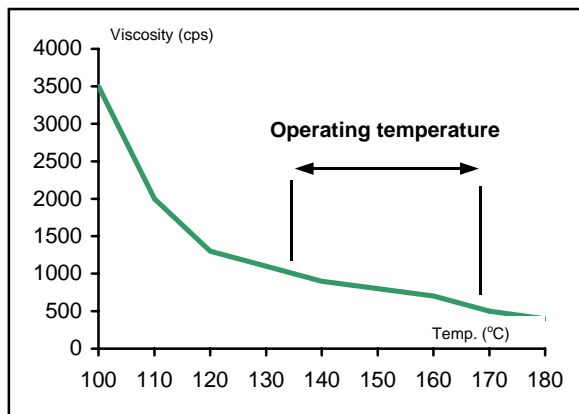
TYPICAL PROPERTIES	Units	Value
Colour	visual	pearl white
Solidification point	°C	93-96°C
Open or working time	seconds (2 mm bead @ 140°C)	>3
Setting speed	seconds (2 mm bead @ 140°C)	<2

Substrates

G10 has good adhesion to a variety of paper based materials found in packaging applications eg. white lined chipboard, folding boxboard, corrugated and PE board. It copes well with the current variety of recycled board stocks. It will bond to many inks and water based laquers, though high gloss varnishes and grease resistant coatings should be avoided.

Application Temperatures

The adhesive is applied in the temperature range 135°C -170°C dependent on local conditions. The viscosity of the adhesive varies in this range as shown on the graph below.



This information is based upon data believed to be reliable and accurate. Typical values represent results we would expect if the property was tested in our laboratory with our test methods. It is the users responsibility to confirm the suitability of the product for their own particular use.

Thermal Viscosity Stability

G10 is very stable on prolonged heating so carbonisation and gelling should not be apparent in practice.

Service Conditions

The bonding characteristics retain bond integrity over the range -20°C to +80°C.

Physical Form

The product is available in 10kg sacks in HAND-BLOCK form and 10kg sacks in pellet form. HAND-BLOCKS generally have a faster melt down rate and avoid spilled pellets in the workplace.

Food Contact

Permitted under F & DA 921/CFR. 175.105

Disposal

Not classified as special waste. Dispose of in compliance with Local Authority requirements.

Biodegradability

Greater than 60% slowly biodegradable in the Modified Sturm Test.

Health & Safety

Users should be familiar with our Health & Safety Sheet available for this product.

Storage

Keep Dry. Keep away from heat sources that may cause the product to block unduly. Shelf life 12 months minimum.