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11451 - Hot Melt Process Adhesives for Packaging

nqa. ISO 9001 Registered

11451 is a fast setting and clean machining hot melt adhesive principally used for carton erecting and sealing, tray erecting, outers and wrap around case packing.

11451 is designed to reduce volatile emmissions in the workplace giving a safer and more pleasant working environment.

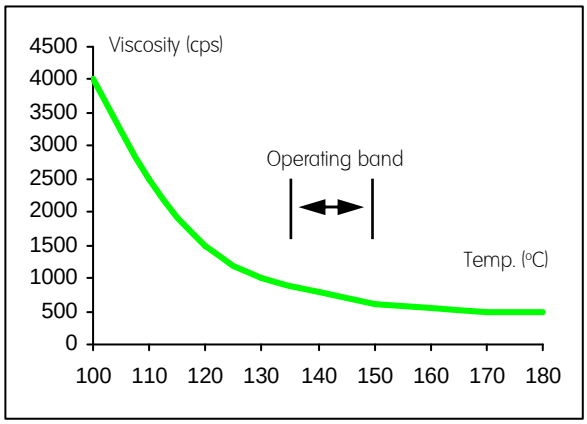
TYPICAL PROPERTIES	Units	Value
Colour	visual	Opaque/straw
Solidification point	^{0}C	84^{0}C
Open or working time	seconds (2 mm bead @ 140^{0}C)	>4
Setting speed	seconds (2 mm bead @ 140^{0}C)	<2

Substrates

11451 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 lacquers, though high gloss varnishes and grease resistant boards should be avoided. It is not generally suited to solid plastics.

Application Temperatures

The adhesive is applied in the temperature range 135^{o}C -150^{o}C dependent on local conditions. The viscosity of the adhesive varies in this range as shown on the graph below.



Thermal Viscosity Stability

11451 is very stable on prolonged heating so carbonisation and gelling should not be apparent in practice.

Service Conditions

The bonding characteristics remain effective over the range -5^{o}C to +40^{o}C.

Physical Form

The product is available in 10 kg sacks in either a 100gm HAND-BLOCK or conventional pellet form. HAND-BLOCKS generally have a faster melt down rate and avoid spilled pellets in the workplace.

Food Contact

Ingredients permitted under F & DA 921/ CFR .175.105)

Disposal

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

Biodegradeability

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.

Ref: Data11451.3C 07/01/09

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.

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