Elemelt SEALPAK HMS940 HOTMELT ADHESIVE

elemelt®

Datasheet

GENERAL DESCRIPTION

Elemelt SEALPAK HMS940 is a high output packaging adhesive, suitable for use on most paper and board substrates.

The low viscosity of this product helps prevent stringing, improves glue gun output and ensures bonds are made with the minimum gap between surfaces.

Elemelt SEALPAK HMS940 is a versatile packaging adhesive, the low viscosity enables it to be used for small delicate assemblies as well as very high output applications that require fast adhesive dispensing

TECHNICAL CHARACTERISTICS

Adhesive type: Synthetic polymer based hotmelt
Color: Light Amber
Molten tack: High

	½"	⅝"	1¾"	Bulk
Diameter (Nominal)				
Length (Nominal)	12"	12"	1¾"	Pastilles
Carton Quantity	11 lbs	11 lbs	22 lbs	44 lbs
Sticks per lb (approx.)	16	9	8	N/A
Suggested Application Temperature:	380ºF	380ºF	380ºF	340ºF – 380ºF
Brookfield viscosity (ASTM D3236) @ 350ºF spindle 27	2000 cps	2000 cps	2000 cps	2000 cps
Ring & Ball Softening Point (ASTM E28)	235ºF	235ºF	235ºF	235ºF
Heat Resistance (BS5350 Part H3)	185ºF	185ºF	185ºF	185ºF
Open Time	Short	Short	Short	Short
Low temperature flexibility (tg)	-14ºF	-14ºF	-14ºF	-14ºF

SIZES AVAILABLE	SUITABLE APPLICATORS	TYPICAL OUTPUT
½" sticks	HOBBY-TEC 150, TEC 175, TEC 250	2.5 lbs/hr
	TEC 650, GAS-TEC 300, GAS-TEC 500	3 lbs/hr
	TEC 700,	4 lbs/hr
	TEC 901	4.5 lbs/hr
	TEC 810-12	4 lbs/hr
	Some other ½" applicators	Variable
⅝"	TEC 810-15	4.2 lbs/hr
1¾" slugs	TEC 3200 & TEC 3150	6.5 lbs/hr
	TEC 6100	9 lbs/hr
Bulk Hotmelts	Most bulk tank systems	Dependent on system

All constituent parts of this adhesive have been approved by the American F.D.A under C.F.R.21.175.105 (adhesives).

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HEALTH & SAFETY

Hotmelt adhesives pose virtually no hazards to heath when used in normal industrial practice, but because they are used in a molten state at high temperatures there is a risk of thermal burns. Skin contact with molten hotmelt should be avoided and precautions taken against accidental splashes of adhesive. The use of overalls, cotton gloves and safety glasses help minimize the risk of burns.

INHALATION: Vapors given off during normal operation are not considered toxic, but if overheated, chemical breakdown of the components may occur releasing a complex mixture of organic materials, some of which may be toxic or irritant. Ensure hotmelts are run at the recommended operating temperatures and use in a well-ventilated area.

EYE CONTACT: For solid hotmelt treat as inert particles and irrigate copiously with clean fresh water. For molten hotmelt irrigate with cold water and seek medical advice immediately.

SKIN CONTACT: Solid cold hotmelt is harmless to the skin. Wash hands with soap and water. Skin affected by molten hotmelt should be plunged into cold water immediately and left until the burning sensation subsides. If no tap is accessible have a bucket of clean cold water available. If coated with hotmelt move fingers to prevent a tourniquet effect as it cools. Do not remove the adhesive when molten as it might remove skin to quite a depth leaving a raw wound. Even when solid remove with care as the above may still occur. If difficult to remove, with medical approval, olive oil or liquid paraffin should be soaked into a cotton wool pad and placed over the affected area. This will slowly soften the adhesive into the pad. When hotmelt is removed treat as a normal burn.

FIRE: Not normally a hazard, but in a fire hotmelts are combustible, use dry powder or CO2 extinguisher. Do not use water.

STORAGE

Store in a clean dry place at temperatures between 40°F and 90°F with boxes closed. Do not expose to direct sunlight or localized heat sources such as radiators or hot pipes.

REMOVAL OF GLUE

Assembled components can be separated by heating assembly to a temperature slightly above the heat resistance figure.

EVA & POLYPROPLENE: Residues of EVA and polypropylene based hotmelts can be removed from components with white spirit.

POLYAMIDE: Resides of Polyamide based hotmelt can be removed from components with acetone.

PLEASE NOTE

The information contained on this data sheet is for guidance only. It is the result of careful laboratory evaluations by trained and qualified staff using British Standard or similar test methods. However, no warranty is expressed or implied regarding the accuracy of the data or the suitability of the adhesive for any specific purpose. In every case, we strongly recommend that the user shall make their own test to determine to their own satisfaction the suitability of the adhesive for their particular purpose. Neither seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential arising out of the use or inability to use the product. Further information is always available to help solve your adhesive problems. Should you require any further information on our adhesives or applicators please contact your nearest distributor.

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