

Characteristics of ALFANTRA® 970/4

Adhesive:

ALFANTRA® 970/4 is a hot melt adhesive on an alpha-olefin basis used for the production of cardboard and folding boxes as well as in the tray production.

Application:

By means of nozzle, roller or other applicator systems. The hot melt should not be heated at temperatures above 190°C. During extended machine stops it is recommended to switch off the heating.

Properties:

ALFANTRA® 970/4 excellent thermic stability, maintains a constant viscosity and therefore has not changes in the adhesion and in the processing quality, even by longer machine stops.

ALFANTRA® 970/4 does not string and tail – reduces downtime.

ALFANTRA® 970/4 is odour and smoke free. Depending on the substrates, bondings with heat resistance up to +70°C and cold resistance of up to –25°C are possible.

Specifications:

Application temperature:	approx. 150...180°C
Melting point: (ring + ball) DIN 52011	approx. 106°C +/- 5°C
Density:	approx. 0.92 g/cm ³
Viscosity at 160° C: Brookfield Thermosel1	approx. 1000 +/- 200 mPas/s
Open time	3 – 4 s
Colour:	white
SAFT value: „Shear Adhesion Failure Temperature“	70°C
Cold resistance:	– 25°C
Packaging:	granular, in bags to 25 kg
Storage:	cool and dry in original container up to at least 2 year
Cleaning:	while hot with ALFANTRA® cleaner
Dangerous contents:	none, no material of risk

The equipment needs to be freed from EVA hot melt and cleaned since ALFANTRA® 970/4 is not compatible with EVA based hot melts.

Food contact regulations:

ALFA is conform to FDA CFR 175.105 paragraph 21 and EC directive 2002/72.

Important notice:

The usual precautionary measures have to be taken, as always when handling chemical products. This includes ample ventilation of the work area, particularly when larger quantities are processed. The particulars of this data sheet are based on our present knowledge and experience. The user is obligated to test these products with original materials under actual application conditions before final use of the product. We do not take responsibility for damages during application for which the product is not intended. Our data sheet cannot be considered legally binding as far as certain properties or suitability for certain applications are concerned. Rules and regulations in each country have to be taken care of by our respective users, we cannot be held responsible for local requirements unknown to us.

In case of doubt, please consult us.