

# SYNEXIL<sup>®</sup> APS 040

Water dispersion of  
acrylic copolymer

## Technical Data Sheet

Pilot batches

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### CHARACTERISTICS

Synexil<sup>®</sup> APS 040 is a water dispersion of acrylic copolymer produced in the presence of emulsifying system composed of ionic surface active agents. Product is designed as a readymade pressure sensitive adhesive for the manufacture of tapes.

### GENERAL PROPERTIES

- APEO free
- free of solvents

The dispersion film exhibits very good adhesion behavior towards various substrates, such as plastic and metal.

### BASIC PARAMETERS

Specification	Units	Values	Test methods
pH	-	7,5÷8,5	PN-ISO 1148
solids content	%	55±1	PN-EN 827
viscosity by Brookfield RV <sup>1)</sup>	mPa·s	100÷400	PN-ISO 2555
Other parameters	Units	Values	Test methods
Tg (glass transition temperature)	°C	ca.-38	PN-EN ISO 11357
mean particle size	nm	250÷450	PN-ISO 13321

<sup>1)</sup> rotors per minute: 20; rotor nr 2; temperature: 23°C; after 5 minutes

To each shipping lot/delivery a quality certificate including properties data of the product determined during release control is issued. Product specification for dispersions may also include other qualitative parameters if previously agreed between the Parties.

### APPLICATION

After evaporation of water Synexil<sup>®</sup> APS 040 forms a transparent film with a characteristic adhesion. Product is a ready to use adhesive direct in the application. In our experience Synexil<sup>®</sup> APS 040 can be used with raw materials designed for water-based products formulation, such as defoamers, biocides, wetting agents etc. Preliminary tests should be carried out to determine their compatibility and efficacy.

### PACKAGE AND TRANSPORTATION

IBC plastic containers or plastic drums with polyethylene bags inside. Package and transportation are not subject to regulations for hazardous materials transportation (ADR, RID). The other packages can also be used if previously agreed between the producer and a customer. Package must not deteriorate the product.

### STORAGE

Store at temperature range from 5 to 35°C. Drums should be stored in one layer. If stored in these conditions the product does not change its properties in the period of six (6) months.

*This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided cannot be used for any mixtures with any other substances. Product should be transported, stored and used in accordance with valid regulations and good occupational hygiene practice. Making use of the information as well as product application is beyond the producer control and determination of the safe conditions of use is the sole responsibility of a customer.*