

# OSAKRYL<sup>®</sup> APS 040

Water dispersion of  
acrylic copolymer

## Technical Data Sheet

Pilot batches

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### CHARACTERISTICS

Osakryl<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 plastic and metal substrates.

### BASIC PARAMETERS

Parameters	Units	Values	Test methods
pH	-	8,0÷9,0	PN-EN 1245
solids content	%	55±1	PN-EN 827
viscosity by Brookfield RVT <sup>1)</sup>	mPa·s	100÷400	PN-ISO 2555
MFFT (minimum film forming temperature)	°C	ca. 0	ISO 2115
Tg (glass transition temperature)	°C	ca.-36	differential scanning calorimetry (DSC)
mean particle size	nm	200÷400	photon correlation spectroscopy (PCS)

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

### APPLICATION

After evaporation of water Osakryl<sup>®</sup> APS 040 forms a transparent film with a good adhesion to various porous and non-porous substrates. Product is a ready to use adhesive direct in the application. In our experience Osakryl<sup>®</sup> APS 040 can be used with all available raw materials designed for water-based products formulation. Tests should be carried out to determine their compatibility and efficacy.

### PACKAGE AND TRANSPORTATION

Acid resistant and heat insulated road tankers, 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 from the date of production.

*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.*