

Elaxy A4

Epoxy Acrylate Resin Styrene Free

DESCRIPTION

Elaxy A4 is an epoxy acrylate resin dissolved in acrylate monomer. The resin can be easily processed, have fast cure rates at room temperature, and can be cured with peroxides. The cured resin is of excellent chemical resistance and mechanical properties at both room and elevated temperatures. In adhesive systems epoxy acrylate resins impart low viscosity, flexibility, and superior wetting characteristics compared to DGEBA type epoxy resins. However, their shrinkage is greater than any conventional epoxy resins and often the formulator will have to counteract this.

USAGE

System is designed as special type of adhesive a for fast curing at room or elevated temprature. Curing temperature and curing speed can be regulated by use of several types of peroxides and its dosing.

ADVANTAGE

- curing at the normal or elevated temperature
- short pot-life
- excellent chemical resistance
- excellent mechanical properties

PRODUCT PROPERTIES

Properties of non-cured system

Parameter	Specification	Unit	Standard
Epoxy content	< 0.1	eq/kg	CSN EN ISO 3001
Viscosity at 25°C	40 – 80	Pa.s	EN ISO 12058-1
Acid value	7 - 12	mg KOH/g	ISO 2114
Stability at 70°C in water bath	> 120	min	Synpo's testing method
Color (Iodine scale)	< 1	mg I ₂	DIN 6162

PACKAGING

The product is supplied in 20, 30 or 50 kg plastic cans (or according to customer requirements).

STORAGE

Product should be stored in a covered, dry place. The temperature of storage and transport should not be below 5°C or above 25°C. Under these conditions the expected shelf life is 12 months.

SAFETY DATA

Very good ventilation and use of protective goggles and gloves is recommended. Detailed information is contained in the MSDS.

REMARKS

Information about product properties and application procedures has been obtained by laboratory measurements and application tests. This Information Sheet presents only legally non-obligatory recommendations and product application methods must be in conformity with particular conditions. For further information don't hesitate to contact us.

Issued on: 11/2017
Reviewed on: 11/2018
Issued by: Research & Service & Marketing

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The Quality Management System conforms to the Standard ISO 9001:2008

