

Elmer's Products Aron Alpha® 253TX Cyanoacrylate Adhesive (Industrial Krazy Glue™)

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Surface insensitive adhesives, ultra-fast setting for porous, soft or tough-to-bond substrates. Series 200TX & Gel: No run, no stringing, excellent gap filling characteristics with good strength on a variety of materials. High gap fill. Ethyl base monomer. Excellent on rubber/plastic substrates. Fair on metal substrates. Excellent on porous substrates. Military Spec MIL-A-46050C Type 2. A primer is required for hard-to-bond materials such as polyethylene, polypropylene, acetal, PET, nylon, soft PVC, silicone rubber, and glass. General information about the Aron Alpha® product line: Cyanoacrylates are single component instant adhesives that bond a wide variety of surfaces with a strong, durable bond. They offer ease of application, a wide range of performance parameters, and reliable solvent-free bonding. Toagosei Co., Ltd. produces cyanoacrylates in Japan, marketed as Aron Alpha® in Japan, Cyanolit® in Europe, and Krazy Glue® in the US. Elmer's Products markets Krazy Glue® to the retail trade and Aron Alpha® to the industrial trade in North America. Information provided by Elmer's Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elmers-Products-Aron-Alpha-253TX-Cyanoacrylate-Adhesive-Industrial-Krazy-Glue.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------|---------|----------|
| Viscosity | 5000 cP | 5000 cP | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|----------|---|
| Tensile Strength at Break | 2.48 MPa | 360 psi | vs. neoprene chloroprene (CR); 5 s set time |
| | 19.3 MPa | 2800 psi | vs. aluminum; 15 s set time |
| | 31.7 MPa | 4600 psi | vs. steel; 15 s set time |
| | 34.5 MPa | 5000 psi | vs. rigid PVC; 5 s set time |
| | 34.5 MPa | 5000 psi | vs. polycarbonate; 15 s set time |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 80.0 °C | 176 °F | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|--|
| Transmission, Visible | 80 % | 80 % | Estimated; Manufacturer specifies clear but does not quantify. |

| Processing Properties | Metric | English | Comments |
|------------------------|---------|---------|---------------------------------------|
| Processing Temperature | 20.0 °C | 68.0 °F | typically used at ambient temperature |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Clear | |

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