

## TECHNICAL DATA SHEET

# CN825

## Acrylic Oligomer

### DESCRIPTION

CN825 is a unique acrylic oligomer that enhances adhesion to non-porous substrates, especially plastics. CN825 demonstrates improved cure response and hardness versus CN823. It is further characterized by good lithographic performance and stability.



### SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided. Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

### STORAGE

See SDS for Storage Considerations

### HEALTH AND SAFETY

See SDS for Health & Safety Considerations

### LIQUID PROPERTIES

|                          |              |
|--------------------------|--------------|
| Appearance               | Clear liquid |
| Refractive Index at 25°C | 1.491        |
| Functionality            | 2            |
| Color (Pt/Co or APHA)    | <150         |

### CURED PROPERTIES

|                         |     |
|-------------------------|-----|
| Young Modulus (MPa)     | 324 |
| Elongation at break (%) | 2   |
| Tensile Strength (MPa)  | 3   |

### PRODUCT PERFORMANCE

Wood Adhesion  
 Hardness  
 ABS/PC Adhesion  
 Metal Adhesion  
 PVC/PS Adhesion  
 Weatherability  
 Stain Resistance  
 Scratch Resistance  
 Abrasion Resistance  
 Chemical Resistance  
 Moisture Resistance  
 Corrosion Resistance

### SPECIAL FEATURE

Adhesion promoter

### SUGGESTED APPLICATIONS

Flexographic inks  
 Inkjet inks  
 Metal coatings  
 Offset inks  
 Screen inks

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