

ACA 20-649

Latex-free Adhesive for Skin Adhesion

Adhesive

PRESSURE
SENSITIVE
ADHESIVE

PRODUCT DESCRIPTION—ACA 20-649 is a pressure sensitive adhesive composed primarily of synthetic polymers and avoids natural rubber latex. The polymer is crosslinked to enhance chemical and heat resistance. Heat and perspiration do not affect its high tack and shear resistance. A 1 mil dry adhesive film is recommended as a starting point for testing. Rough topography such as fabrics may require greater adhesive thickness.

TYPICAL USE— Designed for skin adhesion applications such as the padding used in shoes as well as other skin padding and plasters. It may be used on a wide variety of plastic films and foams. However, PVC containing migratory or monomeric plasticizers will degrade the adhesion properties with time and are not recommended.

COATING METHOD— wire wound bar, knife, gravure

CLEAN UP—Washing with water will clean the wet coating. The dry coating may require a toluene wash. Toluene is a flammable solvent and must be used according to OSHA safety standards.

WET ADHESIVE PROPERTIES

| <u>Test</u> | <u>Value</u> | <u>Test</u> | <u>Value</u> |
|------------------------------------|--------------|---|--------------|
| pH | 5.0 ± 0.75 | Percent VOC by volume | 0.002 |
| Viscosity (cps) | 2500 ± 500 | Percent water by weight | 37.542 |
| wt./gal. (lbs.) | 8.6 | Percent water by volume | 38.618 |
| Percent solids by weight | 62.5 | Percent of VOC per gallon | 0.00013 |
| Percent solids by volume | 61.4 | Pounds of VOC per gallon less water | 0.00021 |
| Percent VOC by weight | 0.001 | | |

DRY ADHESIVE PROPERTIES (1 MIL FILM, 2 MIL MYLAR)

| <u>Test</u> | <u>Value</u> |
|---|--------------|
| Peel (189° 20 minute dwell) (pli) | 7.5 |
| Shear Resistance (hours) | 20 |
| Tack (Polyken) | 1500 |

NON-WARRANTY NOTICE—Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. We make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS PRODUCT OR ITS USE, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. THE MANUFACTURER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND.

