

# UNISOFT ADHESION™ AD-42A-CL-8-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

## Message:

TPE Compound based on Styrene-Ethylene/Butylene-Styrene Block Copolymer.

Clear bonding grade to Copolyester (PETG), PC, PS and Noryl®, HIPS and PC/ABS.

| General Information |                        |
|---------------------|------------------------|
| Features            | Block Copolymer        |
|                     | Bondability            |
|                     | Good Adhesion          |
| Uses                | Adhesives              |
|                     | Bonding                |
| Agency Ratings      | FDA Unspecified Rating |
| Appearance          | Clear/Transparent      |
| Forms               | Pellets                |
| Processing Method   | Extrusion              |
|                     | Injection Molding      |

| Physical                     | Nominal Value | Unit              | Test Method |
|------------------------------|---------------|-------------------|-------------|
| Specific Gravity             | 0.930         | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow     | 0.50 to 3.0   | %                 | ASTM D955   |
| Hardness                     | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore A) | 42            |                   | ASTM D2240  |
| Elastomers                   | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield)     | 7.60          | MPa               | ASTM D412   |
| Tensile Elongation (Break)   | 700           | %                 | ASTM D412   |
| Injection                    | Nominal Value | Unit              |             |
| Rear Temperature             | 180 to 190    | °C                |             |
| Front Temperature            | 200 to 220    | °C                |             |
| Nozzle Temperature           | 225 to 245    | °C                |             |
| Mold Temperature             | 30.0 to 65.0  | °C                |             |

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