

UNISOFT TPE™ ST-40A-CL-1-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

Message:

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

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

| Physical | Nominal Value | Unit | Test Method |
|------------------------------|---------------|-------------------|-------------|
| Specific Gravity | 0.880 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.50 to 3.5 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 40 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 5.00 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 650 | % | ASTM D412 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 160 to 179 | °C | |
| Front Temperature | 179 to 202 | °C | |
| Nozzle Temperature | 202 to 210 | °C | |
| Mold Temperature | 29.4 to 65.6 | °C | |

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