

Andur M-10 (C-82)

Polyurethane (Polyether, MDI)
Anderson Development Company

Message:

Andur M-10 is an MDI-polyether prepolymer that, when processed with close attention to handling procedures and formulation, produces high quality elastomers. These ether based prepolymers perform well in dynamic applications, and depending on the curative selected, can be processed to a variety of hardnesses, physical properties and resilience.

| General Information | | | |
|--|---------------|-------------|-------------|
| Features | Elastic | | |
| Forms | Liquid | | |
| Hardness | Nominal Value | Test Method | |
| Durometer Hardness (Shore A) | 82 | ASTM D2240 | |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% strain | 5.24 | MPa | ASTM D412 |
| 300% strain | 10.3 | MPa | ASTM D412 |
| Tensile Strength (Yield) | 39.2 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 540 | % | ASTM D412 |
| Compression Set | 27 | % | ASTM D395 |
| Bayshore Resilience | 72 | % | ASTM D2632 |
| Thermoset | Nominal Value | Unit | |
| Pot Life | 4.5 | min | |
| Demold Time | 45 | min | |
| Additional Information | | | |
| Die C Tear, ASTM D1004: 350 pliAverage Split Tear, ASTM D1938: 165 pliParts of curative per 100 parts Andur M-10, 14.4% NCO: 123.52 parts by weightParts of curative per 100 parts Andur M-10, 14.45% NCO: 123.95 parts by weightParts of curative per 100 parts Andur M-10, 14.5% NCO: 124.38 parts by weightParts of curative per 100 parts Andur M-10, 14.55% NCO: 124.81 parts by weightParts of curative per 100 parts Andur M-10, 14.6% NCO: 125.24 parts by weightParts of curative per 100 parts Andur M-10, 14.65% NCO: 125.66 parts by weightParts of curative per 100 parts Andur M-10, 14.7% NCO: 126.09 parts by weightParts of curative per 100 parts Andur M-10, 14.75% NCO: 126.52 parts by weightParts of curative per 100 parts Andur M-10, 14.8% NCO: 126.95 parts by weightParts of curative per 100 parts Andur M-10, 14.85% NCO: 127.38 parts by weightParts of curative per 100 parts Andur M-10, 14.9% NCO: 127.81 parts by weightParts of curative per 100 parts Andur M-10, 14.95% NCO: 128.24 parts by weightParts of curative per 100 parts Andur M-10, 15% NCO: 128.67 parts by weightMix Temperature: Andur M-10: 167°F Curative C-82: 212°F | | | |
| Injection | Nominal Value | Unit | |
| Mold Temperature | 120 | °C | |

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