

# Andur 2-90AP/Curene® 280

Polyurethane (Polyether, TDI)  
Anderson Development Company

Message:  
All properties based on Andur® 2-90AP cured with Curene® 280

| General Information                                                                                                                                                                                          |               |             |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|-------------|
| Forms                                                                                                                                                                                                        | Liquid        |             |             |
| Processing Method                                                                                                                                                                                            | Casting       |             |             |
| Hardness                                                                                                                                                                                                     | Nominal Value | Test Method |             |
| Durometer Hardness (Shore A)                                                                                                                                                                                 | 85            | ASTM D2240  |             |
| Mechanical                                                                                                                                                                                                   | Nominal Value | Unit        | Test Method |
| Tensile Strength                                                                                                                                                                                             | 22.2          | MPa         | ASTM D638   |
| Tensile Elongation (Break)                                                                                                                                                                                   | 520           | %           | ASTM D638   |
| Elastomers                                                                                                                                                                                                   | Nominal Value | Unit        | Test Method |
| Tensile Stress                                                                                                                                                                                               |               |             | ASTM D412   |
| 100% strain                                                                                                                                                                                                  | 5.03          | MPa         | ASTM D412   |
| 300% strain                                                                                                                                                                                                  | 8.27          | MPa         | ASTM D412   |
| Tear Strength                                                                                                                                                                                                |               |             |             |
| -- 1                                                                                                                                                                                                         | 63.0          | kN/m        | ASTM D624   |
| Cracking                                                                                                                                                                                                     | 18            | kN/m        | ASTM D470   |
| Compression Set                                                                                                                                                                                              | 37            | %           | ASTM D395   |
| Thermoset                                                                                                                                                                                                    | Nominal Value | Unit        |             |
| Pot Life                                                                                                                                                                                                     | 13            | min         |             |
| Post Cure Time (23°C)                                                                                                                                                                                        | 72            | hr          |             |
| Additional Information                                                                                                                                                                                       |               |             |             |
| Prepolymer NCO%: 4.0-4.4Grams Curene® 280 per 100 grams prepolymer: 26.6Rebound, %: 52Stoichiometry: 0.95Prepolymer Temperature, °F: 190-210Curene® 280 Temperature, °F: 158Post Cure Time, 212°F, hours: 16 |               |             |             |
| Injection                                                                                                                                                                                                    | Nominal Value | Unit        |             |
| Mold Temperature                                                                                                                                                                                             | 107           | °C          |             |
| NOTE                                                                                                                                                                                                         |               |             |             |
| 1.                                                                                                                                                                                                           | C mould       |             |             |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

