

Andur 8003 AS/Ethacure® 100LC

Polyurethane (TDI)
Anderson Development Company

Message:

Andur 8003AS is a 80 Shore A, low cost, high performance urethane. Andur 8003AS offers high rebound and excellent dynamic properties in a moderate to low cost system. In addition, when properly cast, Andur 8003AS gives a water white finished product. Andur 8003AS performs best when cast with Ethacure 100LC through meter mix and dispense equipment however, product modifications are available which may extend working time to offer hand batch opportunities. This system is primarily recommended for applications that require superior dynamic performance, or enhanced product clarity. In addition, low processing temperatures and quick cycle times offer processing advantages.

| General Information | | | |
|------------------------------|--------------------|-------------------|-------------|
| Features | Workability, good | | |
| | Fast molding cycle | | |
| | Definition, high | | |
| Forms | Liquid | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.07 | g/cm ³ | ASTM D1505 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 81 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| 100% strain | 3.45 | MPa | ASTM D412 |
| 300% strain | 6.21 | MPa | ASTM D412 |
| Tensile Strength (Yield) | 23.4 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 850 | % | ASTM D412 |
| Bayshore Resilience | 60 | % | ASTM D2632 |
| Thermoset | Nominal Value | Unit | |
| Pot Life | 1.8 | min | |
| Demold Time (100°C) | 15 | min | |
| Post Cure Time (100°C) | 16 | hr | |

Additional Information

Durometer Hardness, ASTM D2240, Shore A: 80 to 82Die C Tear, ASTM D1004: 330 pliAverage Split Tear, ASTM D1938: 135 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 8003 AS: 75°F
Ethacure 100LC: 75°F

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