# Andur 8-5 APLS/Curene® 49

Polyurethane (Polyester, TDI)

Anderson Development Company

## Message:

Andur 8-5APLS is a polyester based, toluene diisocyanate terminated prepolymer designed for optimum solvent resistance. Elastomers with a Shore A durometer hardness of 83-86 can be obtained when Andur 8-5APLS is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of 53-56 Shore A durometer hardness can be obtained when cured with Curene 49.

| General Information | | | |
|---|---|---|---|
| Forms | Liquid | | |
| **Hardness** | **Nominal Value** | | **Test Method** |
| Durometer Hardness (Shore A) | 55 | | ASTM D2240 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress | | | ASTM D412 |
| 100% strain | 1.59 | MPa | ASTM D412 |
| 300% strain | 3.24 | MPa | ASTM D412 |
| Tensile Strength (Yield) | 27.6 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 530 | % | ASTM D412 |
| Compression Set | 1.0 | % | ASTM D395B |
| Bayshore Resilience | 34 | % | ASTM D2632 |
| **Thermoset** | **Nominal Value** | **Unit** | |
| Pot Life | 2.0 - 4.0 | min | |
| Demold Time | 30 | min | |
| Post Cure Time | | | |
| 22°C | 72 | hr | |
| 99°C | 16 | hr | |
| **Additional Information** | | | |
| Durometer Hardness, ASTM D2240, Shore A: 53 to 56Die C Tear, ASTM D1004: 185 pliAverage Split Tear, ASTM D1938: 18 pliStoichiometry Curative Level: 105%Grams Curene 49 per 100 grams Andur 8 to 5 APLS: 4.4Mix Temperature:<br>Andur 8-5 APLS: 180-220°F<br>Curene 49: 110-120°F | | | |
| **Injection** | **Nominal Value** | **Unit** | |
| Mold Temperature | 98.9 - 110 | °C | |



Recommended distributors for this material

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