# Andur 7003 AP-S/Curene® 89-LC

## Polyurethane (Polyether, TDI)

### Anderson Development Company

#### Message:

Andur 7003AP-S is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer. A water-white clear elastomer with a hardness of 70 Shore A is obtained when this prepolymer is cured with Curene 89-LC. Elastomers of lower hardness can be obtained through the use of plasticizers.

General Information			
Appearance	Clear/transparent		
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	2.48	MPa	ASTM D412
300% strain	4.62	MPa	ASTM D412
Tensile Strength (Yield)	17.2	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Bayshore Resilience	73	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	4.0 - 6.0	min	
Demold Time (100°C)	30	min	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: Level: 97%Mix Temperature: Andur 7003 AP-S: 110-160°F Curene 89-LC: 72°F	69 to 71Die C Tear, ASTM D1004: 200	pliAverage Split Tear, ASTM D1938: 55	pliStoichiometry Curative
Injection	Nominal Value	Unit	

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#### Recommended distributors for this material

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Mold Temperature

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