

# Andur 95 AP/Curene® 442

Polyurethane (Polyether, TDI)  
Anderson Development Company

## Message:

Andur 95-AP is a polyether (PTMG) based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 95 Shore A is obtained when this prepolymer is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of lower hardness can be obtained by reaction with various polyols and their combination with Curene 442 and other diamines, and by the use of plasticizers.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	95		ASTM D2240
Shaw D	47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	15.0	MPa	ASTM D412
300% strain	29.8	MPa	ASTM D412
Tensile Strength (Yield)	52.4	MPa	ASTM D412
Tensile Elongation (Break)	370	%	ASTM D412
Compression Set	28	%	ASTM D395B
Bayshore Resilience	45	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	3.0 - 5.0	min	
Demold Time (100°C)	20 - 25	min	
Post Cure Time (100°C)	3.0	hr	

Additional Information	
Durometer Hardness, ASTM D2240, Shore A: 93 to 97Durometer Hardness, ASTM D2240, Shore D: 46 to 48Die C Tear, ASTM D1004: 600 pliAverage Split Tear, ASTM D1938: 150 pliStoichiometry Curative Level: 95%Cure Time, 150 to 160°F: OvernightMix Temperature: Andur 95 AP: 180-212°F Curene 442: 250°F	

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