

# Andur 9200 AP/Curene® 442

Polyurethane (Polyether, TDI)  
Anderson Development Company

## Message:

Andur 9200-AP is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 92 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 curing Andur 9200-AP with polyols and their combination with Curene 442 and other diamines, or through the use of plasticizers.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm <sup>3</sup>	ASTM D1505
Molding Shrinkage - Flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	93		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% strain	0.545	MPa	ASTM D695
10% strain	2.48	MPa	ASTM D695
15% strain	4.41	MPa	ASTM D695
25% strain	6.18	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	9.65	MPa	ASTM D412
300% strain	22.8	MPa	ASTM D412
Tensile Strength (Yield)	31.0	MPa	ASTM D412
Tensile Elongation (Break)	340	%	ASTM D412
Compression Set	30	%	ASTM D395B
Bayshore Resilience	30	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.5 - 4.5	min	
Demold Time	30 - 45	min	
Post Cure Time (96°C)	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 91 to 94Die C Tear, ASTM D1004: 375 pliAverage Split Tear, ASTM D1938: 115 pliStoichiometry Curative Level: 95%Mix Temperature: Andur 9200 AP: 180-212°F Curene 442: 235-250°F			
Injection	Nominal Value	Unit	
Mold Temperature	104 - 113	°C	

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#### Recommended distributors for this material

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