

Andur 9500 AP/Curene® 442

Polyurethane (Polyether, TDI)
Anderson Development Company

Message:

Andur 9500 AP/Curene® 442 is a polyurethane (polyether, TDI)(PUR-aliphatic/TDI) product. It is available in North America.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% strain	0.945	MPa	ASTM D695
10% strain	3.61	MPa	ASTM D695
15% strain	5.95	MPa	ASTM D695
25% strain	9.12	MPa	ASTM D695
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	11.8	MPa	ASTM D412
300% strain	24.5	MPa	ASTM D412
Tensile Strength (Yield)	31.1	MPa	ASTM D412
Tensile Elongation (Break)	340	%	ASTM D412
Compression Set	29	%	ASTM D395B
Bayshore Resilience	37	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.0 - 4.0	min	
Demold Time	20 - 30	min	
Post Cure Time (96°C)	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 93 to 97Die C Tear, ASTM D1004: 385 pliAverage Split Tear, ASTM D1938: 134 pliStoichiometry Curative Level: 95%Grams Curene 442 per 100 grams Andur 9500 AP: 17.5 to 18.7Mix Temperature: Andur 9500 AP: 180-212°F Curene 442: 235-250°F			
Injection	Nominal Value	Unit	
Mold Temperature	104 - 113	°C	

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