

Andur RT 9002 AP/Curene® 107

Polyurethane (TDI)
Anderson Development Company

Message:

Andur RT 9002 AP is a low viscosity liquid prepolymer which can be processed and cured at room temperature with Curene 107 to yield an elastomer with a hardness of 88 to 92 Shore A. This system has a extended potlife of about 25 minutes that can be adjusted using oleic acid catalyst. Andur RT 9002 AP is recommended where room temperature processing and curing is desired with minimal elastomer shrinkage.

General Information			
Features	Low viscosity		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	5.45	MPa	ASTM D412
300% strain	8.27	MPa	ASTM D412
Tensile Strength (Yield)	14.5	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Bayshore Resilience	48	%	ASTM D2632
Thermoset	Nominal Value	Unit	Test Method
Pot Life	25	min	
Thermoset Mix Viscosity (25°C)	690	cP	ASTM D2393
Demold Time (22°C)	6.0	min	

Additional Information			
Specific Gravity, ASTM D792, 68°F: 1.21 g/mlDurometer Hardness, ASTM D2240, Shore A: 88 to 92Die C Tear, ASTM D1004: 240 pliAverage Split Tear, ASTM D1938: 105 pliMixing Weight Ratio: 100 to 14.8Mixing Volume Ratio: 100 to 12.2Recommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 50°F: 2.8 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 55°F: 2.6 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 60°F: 2.4 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 65°F: 2.1 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 70°F: 1.9 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 75°F: 1.7 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 80°F: 1.5 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 85°F: 1.3 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 90°F: 1.1 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 95°F: 0.9 ccRecommended oleic acid catalyst volume required per 100 gm to achieve 8 min pot life at 100°F: 0.7 cc			

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