Andur 9002 APTF/Curene® 107

Polyurethane (TDI)

Anderson Development Company

Message:

Andur 9002-APTF is a low viscosity liquid prepolymer which can be processed and cured at room temperature with Curene 107 using Oleic acid catalyst to yield an elastomer with a hardness of 88 to 90 Shore A. This system has been specifically formulated to yield a tack-free film in about 60 minutes when catalyzed to a 6 to 8 minute pot life.
Andur 9002-APTF is recommended where room temperature processing and curing is desired and a tack-free film within about 60 minutes. If an application does not require a tack-free film, then we recommend using Andur RT 9002 AP.

General Information			
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	89		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	4.83	MPa	ASTM D412
300% strain	7.58	MPa	ASTM D412
Tensile Strength (Yield)	13.8	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Bayshore Resilience	50	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	6.0 - 8.0	min	
Demold Time (22°C)	2.0	min	

Additional Information
Durometer Hardness, ASTM D2240, Shore A: 88 to 90Die C Tear, ASTM D1004: 250 pliAverage Split Tear, ASTM D1938: 80 pliMixing Weight Ratio: 100 to 14Mixing Volume Ratio: 100 to 12Film Tack-Free Time: 60 minRecommended 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

Recommended distributors for this material

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