

Andur 7003 AP-F/Curene® 89-LC

Polyurethane (Polyether, TDI)
Anderson Development Company

Message:

Andur 7003AP-F is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer. A water-white clear elastomer with a hardness of 70 Shore A is obtained when this prepolymer is cured with Curene 89-LC. Elastomers of lower hardness can be obtained through the use of plasticizers.

General Information			
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	70	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	3.17	MPa	ASTM D412
300% strain	4.83	MPa	ASTM D412
Tensile Strength (Yield)	22.8	MPa	ASTM D412
Tensile Elongation (Break)	730	%	ASTM D412
Bayshore Resilience	73	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	0.75 - 1.0	min	
Demold Time (100°C)	8.0	min	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 69 to 71Die C Tear, ASTM D1004: 220 pliAverage Split Tear, ASTM D1938: 92 pliStoichiometry Curative Level: 97%Mix Temperature: Andur 7003 AP-F: 110-160°F Curene 89-LC: 72°F			
Injection	Nominal Value	Unit	
Mold Temperature	22.2 - 100	°C	

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