Andur 7003 AP-M/Curene® 89-LC

Polyurethane (Polyether, TDI)

Anderson Development Company

Message:

Andur 7003AP-M 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			
Appearance	Clear/transparent		
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	3.10	MPa	ASTM D412
300% strain	5.17	MPa	ASTM D412
Tensile Strength (Yield)	20.0	MPa	ASTM D412
Tensile Elongation (Break)	620	%	ASTM D412
Bayshore Resilience	73	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	2.0 - 3.0	min	
Demold Time (100°C)	20	min	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 69 to 71Die C Tear, ASTM D1004: 210 pliAverage Split Tear, ASTM D1938: 74 pliStoichiometry Curative Level: 97%Mix Temperature: Andur 7003 AP-M: 110-160°F Curene 89-LC: 72°F			
Injection	**Nominal Value**	**Unit**	
Mold Temperature	22.2 - 100	°C	

Recommended distributors for this material

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