Andur 8-6 APSLM/Curene® 442

Polyurethane (Polyester, TDI)

Anderson Development Company

Message:

Andur 8-6APSLM is a polyester based liquid, toluene diisocyanate terminated prepolymer designed to remain liquid at room temperature. Elastomers with a Shore A durometer hardness of 84-87 can be obtained when Andur 8-6APSLM is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of lower hardness can be prepared by curing Andur 8-6APSLM with various polyols, combinations of polyols and Curene 442, other diamines, or through the use of plasticizers.

General Information			
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.22	g/cm³	ASTM D1505
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	84		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	5.14	MPa	ASTM D412
300% strain	8.45	MPa	ASTM D412
Tensile Strength (Yield)	53.5	MPa	ASTM D412
Tensile Elongation (Break)	640	%	ASTM D412
Compression Set	25	%	ASTM D395B
Bayshore Resilience	30	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	6.0	min	
Demold Time	30	min	
Post Cure Time			
22°C	72	hr	
99°C	16	hr	

Additional Information
Durometer Hardness, ASTM D2240, Shore A: 82 to 86Die C Tear, ASTM D1004: 415 pliAverage Split Tear, ASTM D1938: 220 pliStoichiometry Curative Level: 95%Grams Curene 442 per 100 grams Andur 8 to 6 APSLM: 10.6Mix Temperature: Andur 8-6 APSLM: 190°F Curene 442: 235°F

Injection	Nominal Value	Unit
Mold Temperature	107	°C

Recommended distributors for this material

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