Andur 8 APFLM/Curene® 442

Polyurethane (Polyester, TDI)

Anderson Development Company

Message:

Andur 8-APF-LM is a polyester based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 80 Shore A is obtained when this prepolymer is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of lower hardness can be obtained by curing Andur 8-APF-LM with polyols and their combination with Curene 442 and other diamines or by the use of plasticizers. The short pot life of Andur 8-APF-LM makes it ideal for machine casting.

General Information			
Features	Machinable		
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.21	g/cm³	ASTM D1505
Molding Shrinkage - Flow	1.6	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	80		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	4.62	MPa	ASTM D412
300% strain	7.03	MPa	ASTM D412
Tensile Strength (Yield)	47.6	MPa	ASTM D412
Tensile Elongation (Break)	630	%	ASTM D412
Compression Set	26	%	ASTM D395B
Bayshore Resilience	39	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	5.0 - 6.0	min	
Demold Time	30	min	
Post Cure Time (96°C)	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore D: 78 to 82Die C Tear, ASTM D1004: 395 pliAverage Split Tear, ASTM D1938: 235 pliMix Temperature: Andur 8 APLFM: 195-212°F Curene 442: 235-250°F			
Injection	**Nominal Value**	**Unit**	
Mold Temperature	104 - 113	°C	

Recommended distributors for this material

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