Andur 9-3 APLF/Curene® 442

Polyurethane (Polyester, TDI)

Anderson Development Company

Message:

Andur 9-3 APLF is a polyester based liquid, toluene diisocyanate terminated prepolymer containing 0.1% or less free TDI monomer. An elastomer with a hardness of 92 to 94 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 reaction with various polyols and their combination with Curene 442, other diamines or through the use of plasticizers.

General Information			
Forms	Liquid		
Hardness	**Nominal Value**		**Test Method**
Durometer Hardness (Shore A)	93		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	9.83	MPa	ASTM D412
300% strain	17.6	MPa	ASTM D412
Tensile Strength (Yield)	61.4	MPa	ASTM D412
Tensile Elongation (Break)	530	%	ASTM D412
Thermoset	**Nominal Value**	**Unit**	
Pot Life	5.0 - 6.0	min	
Demold Time (100°C)	20 - 30	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore A: 92 to 94Die C Tear, ASTM D1004: 500 pliAverage Split Tear, ASTM D1938: 315 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 9-3 APLF: 150-170°F
Curene 442: 230-240°F

Recommended distributors for this material

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