Andur 85 APLF/Curene® 442

Polyurethane (Polyether, TDI)

Anderson Development Company

Message:

Andur 85 APLF is a polyether (PTMG) based liquid, toluene diisocyanate terminated prepolymer containing 0.1% or less free TDI. An elastomer with a hardness of 83-85 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 and other diamines, and by the use of plasticizers.

General Information			
Forms	Liquid		
Hardness	**Nominal Value**		**Test Method**
Durometer Hardness (Shore A)	84		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	5.34	MPa	ASTM D412
300% strain	10.6	MPa	ASTM D412
Tensile Strength (Yield)	29.0	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Bayshore Resilience	60	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	15 - 20	min	
Demold Time (100°C)	40	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore A: 83 to 85Die C Tear, ASTM D1004: 310 pliAverage Split Tear, ASTM D1938: 55 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 85 APLF: 160-180°F
Curene 442: 230-240°F

Recommended distributors for this material

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