Andur 8200 AP/Curene® 442

Polyurethane (Polyether, TDI)

Anderson Development Company

Message:

Andur 8200-AP is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 82 to 84 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, or through the use of plasticizers.

General Information			
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.11	g/cm³	ASTM D1505
Molding Shrinkage - Flow	1.5	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	83		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	4.48	MPa	ASTM D412
300% strain	9.65	MPa	ASTM D412
Tensile Strength (Yield)	17.2	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Compression Set	29	%	ASTM D395B
Bayshore Resilience	30	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	7.0 - 9.0	min	
Demold Time (100°C)	25	min	
Post Cure Time (100°C)	4.0	hr	

Additional Information

Durometer Hardness, ASTM D2240, Shore A: 81 to 84Die C Tear, ASTM D1004: 215 pliAverage Split Tear, ASTM D1938: 65 pliStoichiometry Curative Level: 95%Cure Time, 150 to 160°F: OvernightMix Temperature:
Andur 8200 AP: 160-212°F
Curene 442: 250°F

Recommended distributors for this material

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