

Andur 7501 DP/Curene® 442

Polyurethane (Polyether, TDI)
Anderson Development Company

Message:

Andur 7501-DP is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 73 to 77 Shore D 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		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore D)	75	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	31.7	MPa	ASTM D412
Tensile Strength (Yield)	44.1	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Bayshore Resilience	58	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	3.0 - 3.5	min	
Demold Time (100°C)	15	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore D: 73 to 77Die C Tear, ASTM D1004: 780 pliAverage Split Tear, ASTM D1938: 290 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 7501 DP: 180-212°F
Curene 442: 230-240°F

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