

Andur 7501 DPLF/Curene® 442

Polyurethane (Polyether, TDI)
Anderson Development Company

Message:

Andur 7501 DPLF is a polyether (PPG) based liquid, toluene diisocyanate terminated prepolymer containing .1% or less free TDI. An elastomer with a hardness of 74 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		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	37.9	MPa	ASTM D412
Tensile Strength (Yield)	44.8	MPa	ASTM D412
Tensile Elongation (Break)	180	%	ASTM D412
Thermoset	Nominal Value	Unit	
Pot Life	2.0 - 3.0	min	
Demold Time (100°C)	10	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore D: 74 to 77Die C Tear, ASTM D1004: 725 pliAverage Split Tear, ASTM D1938: 210 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 7501 DPLF: 150-170°F
Curene 442: 230°F

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