

Andur 7 DPLM/Curene® 442

Polyurethane (Polyester, TDI)
Anderson Development Company

Message:

Andur 7-DP-LM is a polyester based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 70 to 72 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	1.25	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	22.1	MPa	ASTM D412
300% strain	57.9	MPa	ASTM D412
Tensile Strength (Yield)	57.9	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Compression Set	36	%	ASTM D395B
Bayshore Resilience	52	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.0 - 3.0	min	
Demold Time (100°C)	20	min	
Post Cure Time (100°C)	16	hr	

Additional Information	
Durometer Hardness, ASTM D2240, Shore D: 68 to 73Die C Tear, ASTM D1004: 980 pliAverage Split Tear, ASTM D1938: 476 pliStoichiometry Curative Level: 95%Mix Temperature: Andur 7 DPLM: 180-212°F Curene 442: 230-240°F	

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