

# Andur 1-75 DP/Curene® 442

Polyurethane (Polyether, TDI)  
Anderson Development Company

Message:

Andur 1-75 DP is a polyether based liquid isocyanate-terminated prepolymer. An elastomer with a hardness of 73-77 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, and by the use of plasticizers.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	38.6	MPa	ASTM D412
Tensile Strength (Yield)	51.0	MPa	ASTM D412
Tensile Elongation (Break)	260	%	ASTM D412
Bayshore Resilience	58	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.5 - 3.0	min	
Demold Time (100°C)	10	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore D: 73 to 77Die C Tear, ASTM D1004: 860 pliAverage Split Tear, ASTM D1938: 280 pliStoichiometry Curative Level: 95%Mix Temperature:  
Andur 1-75 DP: 150-180°F  
Curene 442: 220-235°F

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