

Andur 720 DP/Curene® 442

Polyurethane (Polyester/Polyether mix, TDI)

Anderson Development Company

Message:

Andur 720-DP is the result of several years of research to develop a high performance, moderate cost prepolymer for the cast urethane industry. This new product is a poly-ester/ether, toluene diisocyanate-terminated prepolymer. An elastomer with a hardness of 70 Shore D is obtained by reaction with various polyols and their combination with Curene 442 and other diamine curatives.

General Information			
Features	Solvent resistance		
	Hydrolysis stability		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.20	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 (100% Strain)	33.1	MPa	ASTM D412
Tensile Strength (Yield)	52.4	MPa	ASTM D412
Tensile Elongation (Break)	240	%	ASTM D412
Compression Set	36	%	ASTM D395B
Bayshore Resilience	45	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.5	min	
Demold Time (100°C)	25	min	
Post Cure Time (100°C)	16	hr	

Additional Information			
Durometer Hardness, ASTM D2240, Shore D: 68 to 73Die C Tear, ASTM D1004: 1050 pliAverage Split Tear, ASTM D1938: 190 pliStoichiometry Curative Level: 95%Mix Temperature:			
Andur 720 DP: 180-212°F			
Curene 442: 250°F			

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