Andur 2-920 AP/Curene® 442

Polyurethane (Polyester/Polyether mix, TDI)

Anderson Development Company

Message:

Andur 2-920AP is a polyester/polyether TDI terminated coprepolymer suitable for the preparation of urethane elastomers. When cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)], an elastomer with 92 Shore A hardness will be produced. Elastomers of lower hardness can be obtained using blends of Curene 442 and polyols and other diamine curatives, or by the use of plasticizers.

General Information			
Features	Solvent resistance Hydrolysis stability		
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.16	g/cm³	ASTM D1505
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	92		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	8.89	MPa	ASTM D412
300% strain	17.7	MPa	ASTM D412
Tensile Strength (Yield)	59.3	MPa	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412
Compression Set	33	%	ASTM D395B
Bayshore Resilience	32	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	6.0 - 7.0	min	
Demold Time (104°C)	25	min	
Post Cure Time			
22°C	72	hr	
100°C	16	hr	

Additional Information
Durometer Hardness, ASTM D2240, Shore A: 90 to 94Die C Tear, ASTM D1004: 423 pliAverage Split Tear, ASTM D1938: 174 pliMix Temperature: Andur 2-920 AP: 180-190°F Curene 442: 230°F

Recommended distributors for this material

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