Andur 1-95 AP/Curene® 442

Polyurethane (Polyether, TDI)

Anderson Development Company

Message:

Andur 1-95AP is a polyether (PTMG) based liquid, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 95 Shore A is obtained when this prepolymer is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of lower hardness can be obtained by curing Andur 1-95AP with 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	1.13	g/cm³	ASTM D1505
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	95		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	13.8	MPa	ASTM D412
300% strain	29.3	MPa	ASTM D412
Tensile Strength (Yield)	51.0	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Compression Set	30	%	ASTM D395B
Bayshore Resilience	44	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	4.0 - 6.0	min	
Demold Time	30	min	
Post Cure Time (96°C)	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 93 to 97Die C Tear, ASTM D1004: 575 pliAverage Split Tear, ASTM D1938: 175 pliStoichiometry Curative Level: 95%Mix Temperature: Andur 1-95 AP: 170-212°F Curene 442: 235-250°F			
Injection	**Nominal Value**	**Unit**	
Mold Temperature	104 - 113	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China