Andur 82 DGP/Curene® 442

Polyurethane (Polyether, TDI)

Anderson Development Company

Message:

Andur 82-DGP is a polyether (PTMG) based liquid, isocyanate terminated prepolymer. An elastomer with a hardness of 82 to 85 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 combinations with Curene 442 and other diamines, or by the use of plasticizers.

General Information			
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.23	g/cm³	ASTM D1505
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	83		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	53.8	MPa	ASTM D412
Tensile Strength (Yield)	62.1	MPa	ASTM D412
Tensile Elongation (Break)	150	%	ASTM D412
Bayshore Resilience	45	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	1.0 - 1.5	min	
Demold Time (100°C)	5.0	min	
Post Cure Time (100°C)	16	hr	

Additional Information

Durometer Hardness, ASTM D2240, Shore D: 80 to 85Die C Tear, ASTM D1004: 1375 pliAverage Split Tear, ASTM D1938: 315 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 82 DGP: 140-180°F
Curene 442: 250°F

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


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