Andur 6 DPLM/Curene® 442

Polyurethane (Polyester, TDI)

Anderson Development Company

Message:

Andur 6-DP-LM is a polyester based, toluene diisocyanate terminated prepolymer. An elastomer with a hardness of 60 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 polyols and their combination with Curene 442 and other diamines, or through the use of plasticizers.

General Information			
Forms	Liquid		
Hardness	**Nominal Value**		**Test Method**
Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Compressive Strength			ASTM D695
5% strain	1.91	MPa	ASTM D695
10% strain	7.82	MPa	ASTM D695
15% strain	12.6	MPa	ASTM D695
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	19.7	MPa	ASTM D412
300% strain	38.4	MPa	ASTM D412
Tensile Strength (Yield)	56.7	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Compression Set	35	%	ASTM D395B
Bayshore Resilience	44	%	ASTM D2632
Thermoset	**Nominal Value**	**Unit**	
Pot Life	3.0	min	
Demold Time	30	min	
Post Cure Time (96°C)	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore D: 58 to 63Die C Tear, ASTM D1004: 705 pliAverage Split Tear, ASTM D1938: 422 pliStoichiometry Curative Level: 95%Mix Temperature: Andur 6 DPLM: 158-180°F Curene 442: 230-250°F			
Injection	**Nominal Value**	**Unit**	
Mold Temperature	104 - 113	°C	

Recommended distributors for this material

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