

Andur 75 DGP 2/Curene® 442

Polyurethane (Polyether, TDI)
Anderson Development Company

Message:

Andur 75 DGP-2 is a polyether (PTMG) based liquid isocyanate- terminated prepolymer. An elastomer with a hardness of 75 Shore D is obtained when this prepolymer is cured with Curene 442 [4,4'- methylene-bis (ortho-chloroaniline)]. Elastomers of lower hardness can be obtained by reaction with various polyols and their combination with Curene 442 and other diamines, and by the use of plasticizers. Andur 75 DGP-2 was designed to have a longer pot life for those who require more time for casting. Due to its lower %NCO, compared to other 75D materials, Andur 75 DGP-2 is much more economical to process, as approximately 20% less curing agent is required.

General Information			
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	39.3	MPa	ASTM D412
Tensile Strength (Yield)	49.6	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Compression Set	30	%	ASTM D395B
Bayshore Resilience	55	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.0	min	
Demold Time (100°C)	15	min	
Post Cure Time (100°C)	16	hr	
Additional Information			

Durometer Hardness, ASTM D2240, Shore D: 75 to 77Die C Tear, ASTM D1004: 1200 pliAverage Split Tear, ASTM D1938: 380 pliStoichiometry Curative Level: 95%Mix Temperature:
Andur 75 DGP 2: 160-180°F
Curene 442: 230-240°F

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