

Andur 8-5 APLS/Curene® 49

Polyurethane (Polyester, TDI)
Anderson Development Company

Message:

Andur 8-5APLS is a polyester based, toluene diisocyanate terminated prepolymer designed for optimum solvent resistance. Elastomers with a Shore A durometer hardness of 83-86 can be obtained when Andur 8-5APLS is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of 53-56 Shore A durometer hardness can be obtained when cured with Curene 49.

General Information			
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	55	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	1.59	MPa	ASTM D412
300% strain	3.24	MPa	ASTM D412
Tensile Strength (Yield)	27.6	MPa	ASTM D412
Tensile Elongation (Break)	530	%	ASTM D412
Compression Set	1.0	%	ASTM D395B
Bayshore Resilience	34	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	2.0 - 4.0	min	
Demold Time	30	min	
Post Cure Time			
22°C	72	hr	
99°C	16	hr	
Additional Information			
Durometer Hardness, ASTM D2240, Shore A: 53 to 56Die C Tear, ASTM D1004: 185 pliAverage Split Tear, ASTM D1938: 18 pliStoichiometry Curative Level: 105%Grams Curene 49 per 100 grams Andur 8 to 5 APLS: 4.4Mix Temperature: Andur 8-5 APLS: 180-220°F Curene 49: 110-120°F			
Injection	Nominal Value	Unit	
Mold Temperature	98.9 - 110	°C	

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