

Andur M-10 (1,4BD)

Polyurethane (Polyether, MDI)
Anderson Development Company

Message:

Andur M-10 is an MDI-polyether prepolymer that, when processed with close attention to handling procedures and formulation, produces high quality elastomers. These ether based prepolymers perform well in dynamic applications, and depending on the curative selected, can be processed to a variety of hardnesses, physical properties and resilience.

General Information			
Features	Elastic		
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore D)	60	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	19.2	MPa	ASTM D412
300% strain	23.8	MPa	ASTM D412
Tensile Strength (Yield)	35.9	MPa	ASTM D412
Tensile Elongation (Break)	440	%	ASTM D412
Compression Set	37	%	ASTM D395
Bayshore Resilience	48	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	3.0	min	
Demold Time	30	min	

Additional Information			
Die C Tear, ASTM D1004: 650 pliAverage Split Tear, ASTM D1938: 230 pliParts of curative per 100 parts Andur M-10, 14.4% NCO: 14.69 parts by weightParts of curative per 100 parts Andur M-10, 14.45% NCO: 14.74 parts by weightParts of curative per 100 parts Andur M-10, 14.5% NCO: 14.79 parts by weightParts of curative per 100 parts Andur M-10, 14.55% NCO: 14.84 parts by weightParts of curative per 100 parts Andur M-10, 14.6% NCO: 14.89 parts by weightParts of curative per 100 parts Andur M-10, 14.65% NCO: 14.94 parts by weightParts of curative per 100 parts Andur M-10, 14.7% NCO: 14.99 parts by weightParts of curative per 100 parts Andur M-10, 14.75% NCO: 15.04 parts by weightParts of curative per 100 parts Andur M-10, 14.8% NCO: 15.1 parts by weightParts of curative per 100 parts Andur M-10, 14.85% NCO: 15.15 parts by weightParts of curative per 100 parts Andur M-10, 14.9% NCO: 15.2 parts by weightParts of curative per 100 parts Andur M-10, 14.95% NCO: 15.25 parts by weightParts of curative per 100 parts Andur M-10, 15% NCO: 15.3 parts by weightMix Temperature: Andur M-10: 167°F Curative 1,4BD: 212°F			
Injection	Nominal Value	Unit	
Mold Temperature	50.0	°C	

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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

