

Smooth-On EA-40®

Epoxy; Epoxide
Smooth-On, Inc

Message:

EA-40® Clear Epoxy is an unfilled low-viscosity epoxy adhesive that can be spread easily in thin films that are almost transparent after curing. EA-40® has a long pot life and cures in 24 hours at room temperature to provide good mechanical and electrical properties. Mix ratio is 1:1 by volume. When mixed 2A:1B by volume, EA-40® will achieve greater heat resistance and improved physical properties. EA-40® is versatile and can be used for many different assembly and repair applications ranging from electrical potting to jewelry assembly to repairing plumbing fixtures. Bow makers have come to know EA-40® as a tremendous laminating resin. EA-40® provides highly moisture resistant bonds meeting the performance requirements for Federal Specification MMM-A-188, Type III.

General Information			
Features	Good Electrical Properties		
	High Heat Resistance		
	Low Viscosity		
	Moisture Resistant		
Uses	Adhesives		
	Jewelry		
	Laminates		
	Repairing Material		
Appearance	Clear Amber		
Processing Method	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D792
Viscosity	Light-paste		
Mixing Ratio	1A:1B by volume or weight		
Sag Resistance	1.59	mm	
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	66		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1310	MPa	ASTM D638
Tensile Strength	23.4	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Compressive Modulus	965	MPa	ASTM D695
Compressive Strength	55.8	MPa	ASTM D695
Thermoset	Nominal Value	Unit	
Pot Life (23°C)	120	min	
Demold Time	1400	min	

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Recommended distributors for this material

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