

URE-BOND® II

Polyurethane

Smooth-On, Inc

Message:

URE-BOND® II is a premium performance urethane adhesive compound that offers a strong flexible bond between many different surfaces. URE-BOND® is ideal for adhering polyurethane rubber and other polymer products to many types of substrates (such as plaster, wood, cement, stone) and non-porous materials (such as glass, hard plastics and a variety of metals). URE-BOND® II has also been used to repair torn polyurethane molds on a limited basis (with proper surface preparation). Working time is 5 minutes at room temperature (73° F / 23° C). Once mixed and applied, URE-BOND® takes about 60 minutes to cure and yields a strong, flexible bond.

General Information			
Features	Bondability		
	Good Adhesion		
	Good Flexibility		
Uses	Adhesives		
	Bonding		
	Repairing Material		
Appearance	Amber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Specific Volume	0.903	cm ³ /g	
Handle Time (23°C)	1.0	hr	
Mixing Ratio	1A:1B by volume		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4.83	MPa	ASTM D638
Tensile Strength (Break)	5.52	MPa	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	23.4	MPa	ASTM D412
Tensile Elongation (Break)	120	%	ASTM D412
Tear Strength ¹	30.6	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	5.0	min	
Thermoset Mix Viscosity	5400	cP	ASTM D2393
Demold Time (23°C)	1400	min	
NOTE			
1.	Die C		

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Recommended distributors for this material

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