

Tru-Bond™ UB 3000

Acrylic

Devcon

Message:

The Tru-Bond™ Universal Bonding Series of products bonds rigid substrates to flexible substrates with UV/Visible light. Tough, durable bonds are created making it possible to join glass, metals, ceramics and plastics that include; ABS, polycarbonate, PET, PETG, flexible vinyls, urethanes, acrylics and epoxy. The assemblies can survive thermal and humidity cycling while maintaining optical clarity. This formulation also cures through many translucent substrates, as well as, UV blocked plastics.

General Information			
Features	UV curing		
	Durability		
	Good toughness		
Uses	Bonding		
	Adhesive		
Appearance	Clear/transparent		
Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr)	7.5	%	ASTM D570
VOC Content		%	
Temperature Range	-54 - 149	°C	
Tensile Shear Adhesion			
Acrylic	2.44	MPa	
Glass	2.46	MPa	
Polycarbonate	5.43	MPa	
Polycarbonate to Steel	4.94	MPa	
Volume Shrinkage	5.8	%	
Non-Volatile Content	> 99	%	
Linear Shrinkage	1.8	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2.15	MPa	
Tensile Elongation (Break)	210	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD	0.938	MPa	ASTM D882
Optical	Nominal Value		
Refractive Index	1.490		
Clarity	> 98.0		
Thermoset	Nominal Value	Unit	

Shelf Life	100	wk
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Density	1.07	g/cm ³
Flash Point	77.2	°C
Viscosity	3.0	Pa·s

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Recommended distributors for this material

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

