

Tru-Bond™ PB 3500

Acrylic

Devcon

Message:

The Tru-Bond™ Plastic Bonding Series of products provide UV/Visible light cured bonds to a wide range of plastics including ABS, polycarbonate, PET, PETG, flexible vinyls, urethanes and acrylics. The adhesive creates a flexible resilient polymer with outstanding impact resistance and flex. These products can also cure through most translucent substrates and UV blocked plastics.

General Information			
Features	Good Flexibility		
	High Impact Resistance		
	Resilient		
	UV Curable		
Uses	Adhesives		
	Bonding		
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr)	5.0	%	ASTM D570
VOC Content	< 1.0	%	
Non-Volatile Content	> 99	%	
Temperature Range	-54 to 149	°C	
Tensile Shear Adhesion ¹			
Acrylic	4.23	MPa	
PETG	3.94	MPa	
Polycarbonate	6.67	MPa	
Volume Shrinkage	9.0	%	
Linear Shrinkage	2.1	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	3.31	MPa	
Tensile Elongation (Break)	330	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD	4.00	MPa	ASTM D882
Optical	Nominal Value		
Refractive Index	1.500		
Clarity	> 98.0		
Thermoset	Nominal Value	Unit	
Shelf Life	100	wk	

Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Density	0.998	g/cm ³
Flash Point	77.2	°C
Viscosity	3.5	Pa·s

NOTE

1. substrate failure

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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

