

TECHNICAL DATA SHEET

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PRODUCT NAME	U. RESIN UP-5170C			
◆ USE / Characteristic				
Product used for Vacuum casting polyurethane resin				
Prototype parts with PMMA and PC aspect				
Good temperature resistance				
The coloring liberty with the coloring pill of the exclusive use				
Product Name	UP-5170AC		UP-5170BC	
Appearance	C: Colorless Liquid		Colorless Liquid	
Composition	Modified polyol		Modified M,D,I	
Viscosity	500~550cps	23°C	80~100cps	23°C
Density	1.1	20°C	1.2	20°C
Mixing ratio	100	Weight	150	Weight
Viscosity of Mixture	20~25 °C/200~300cps			
Pot life (20~25 °C)	3~4 minuets at 100g			
Demolding time	60 minuets at 60~70°C, 2mm			
★ Typical Cure schedules				
60 minuets at 60~70°C + 1hours at 80°C				
Typical Performance	Unites	Test Values		
Color		Colorless		
Hardness	Shore D	82		
Specific gravity		1.2		
Tensile Strength	MPa	60~65		
Flexural Strength	MPa	100~110		
Flexural modulus	MPa	2200~2500		
Compressive Strength	MPa	-		
Heat deflection temp	°C	91		
Elongation	%	11		
Impact Strength (IZOT)	J/m	120~130 (Notched)		
Shrinkage	%	0.3		