

PRODUCT NAME	AXSON UPX-5210A/B			
USE / Characteristic Transparent rigid PU (acrylic type) <ul style="list-style-type: none"> - High transparency and yellowing resistance - Easy to use - Good heat resistance 				
Product Name	UPX-5210A		UPX-5210B	
Appearance	Low viscosity transparent liquid		Light blue - purple transparent Liquid	
Composition	Modified isocyanate		Modified polyol	
Viscosity	100-150 mPa.s	23 °C	600-800 mPa.s	23 °C
Specific gravity	1.06	23 °C	1.01	23 °C
Mixing ratio	150	Weight	100	Weight
Viscosity of Mixture	20-25 °C at 500-650 mPa.s			
Pot life (20-25 °C)	10 minutes at 100g			
Max. Casting Thickness	50 mm			
Demolding time	60-90 minutes at 65-70 °C ,2-3 mmt			
Curing condition 60-90 minutes at 65-70°C, 2-3mmt (1 hour at 80 °C + 1 hour at 100 °C)				
Note: Use of supporting jigs is recommended in case of deforming.				
Properties	Unit		Test Values	
Color			Transparent	
Specific gravity			1.1	
Tensile strength	MPa		65-70	
Elongation	%		15-20	
Flexural strength	MPa		90-95	
Flexural modulus	MPa		2000-2200	
Hardness	Shore D		83	
Impact strength	J/m		60-70	
Heat resistance 1* (heat sag)	Temperature/hour/changes		70°C/1H/0mm	
Heat resistance 2* (heat sag)	Temperature/hour/changes		90°C/1H/0mm	
Glass transition temperature (Tg)	°C		80	
Shrinkage	%		0.4-0.45	
Coefficient of thermal expansion	mm/mm°C		--	
*Heat resistance 1: 1.5 hour at 70°C *Heat resistance 2: 2 hours at 100°C				