PU8150

HEI-CAST ハイ-キャスト Polyurethane Resin

VACUUM CASTING URETHANE FOR TECHNICAL PARTS AND PROTOTYPES

The Parameter of PU8150

Basic Physical Properties

Item		Value	Remarks
Name		**8150**	
Appearance	A Comp.	Ivory color	Polyols
	B Comp.	Light Yellow transparent	Isocyanates
Color of Finished Article		Ivory	Adjustable to be white or black
Viscosity（mPa. s,25℃）	A Comp.	800	
	B Comp.	160	Viscometer Type BM
Specific Gravity（25℃）	A Comp.	1.09	Standrad Hydrometer
	B Comp.	1.19	Standrad Hydrometer
Mixing Ratio	A:B	100:200	Parts by weight
Pot Life	（25℃）	5 minutes	Resin 100 g
Specific Gravity of Finished Article		1.21	JIS K-6911
Hardness	Shord D	80-85	
Tensile Strength	kg/cm^2	740	
Elongation	%	16	JIS K-6911
Young's modulus in flexure	kg/cm^2	800	
Modulus of Elasticity in Static Bending	kg/cm^2	18300	
Impact strength	Kg-cm/cm	12-15	Izod V Notch
Shrinkage Factor	%	0.3	Own method
Load Deflection Temperature	$℃^{-1}$	$6X10^{-5}$	JIS K-6911
Coefficient of Heat Expansion	℃	100	JIS K-7207（$18.5kg/cm^2$）