

Similar to PMMA
PX-5210

APPLICATIONS

Px-5210 is a vacuum injection polyurethane resin suitable for silicone rubber mold injection. It is a product with good transparency, easy polishing, yellowing resistance and UV resistance.

PHYSICAL PROPERTIES

	PART A	PART B	MIXING
Composition	POLYOL	ISOCYANATE	
Mixing ratio (weight)	66	100	
Appearance	liquid	liquid	liquid
Color	Light blue purple	transparent	transparent
Brinell viscosity (at 25 °C, unit: MPa.S)	100-150	600-700	500-600
Density (at 23 °C)	1.06	1.01	1.1
Operational time (200 g at 25 °C)			10 minutes

MECHANICAL PROPERTIES (AT 23 °C)

Tensile strength	ISO527-84	Mpa	65
Elongation at break	ISO37-77	%	15
Flexural strength	ISO178-93	Mpa	90
Flexural modulus	ISO178-93	Mpa	2000
Impact resistance	IZOT	J/m	60
Hardness		Shore D	83

HEAT RESISTANCE & SPECIAL PROPERTIES

Thermal deformation temperature		Bake at 70 °C for 1.5 hours	70 °C
Thermal deformation temperature		Bake at 100 °C for 1.5 hours	90 °C
Linear shrinkage	-	mm/m	4-5
Maximum pouring wall thickness	-	mm	5
Mold release time (2-3mm at 70 °C)	-	minute	60-90