

1. Description

6095 is a clear, UV-Stabilised polyurethane resin

2. Basic Properties

Item		Value	Remarks
Appearance	Part A	Purple to yellow clear liquid	Polyol
	Part B	Purple to yellow clear liquid	Isocyanate
Color of Article		Clear	
Viscosity (mPa.s,25°C)	Part A	1200	Viscometer Type BM
	Part B	140	
Specific Gravity (25°C)	Part A	1.05	Specific Gravity Cup
	Part B	1.09	Standard Hydrometer
Mixing Ratio	A : B	100 : 150	Parts by weight
Pot Life	25°C	8 minutes	Resin 100g
Specific Gravity, cured		1.13	JIS K-7112

3. Basic Physical Properties

Item		Value	Remarks
Hardness	Shore D	82	Wallace Hardness Tester
Tensile Strength	MPa	60	JIS K-7113
Elongation	%	30	
Bending strength	MPa	80	JIS K-7171
Young's modulus in flexure	MPa	2000	
Impact strength	kJ/m ²	10	JIS K-7110 Izod V Notch
Shrinkage	%	0.3	In house spec.
Deflection temp. under load	°C	80	JIS K-7191(1.80 MPa)
Pot life before demoulding	Minute	60 minutes	Mold temp. above 60 °C

Remarks: Curing condition : Mould temperature: 70°C×60 min. +25°C×24 hours.

Above physical properties are given from laboratory measurements as typical values and not for specification. When using our product, it must be noted that physical properties of final product may vary depending on its contour and moulding conditions