

Specification Sheet

Shape Memory Resin Solution

(Coating)

Stock No: NS6130-09-912, CAS: 25038-59-9

Product	:	Shape Memory Resin Solution (Coating)
Stock No	:	NS6130-09-912
CAS	:	25038-59-9
Glass Transition temp	:	65°C
Melting Temp	:	200°C
Specific Gravity	:	1.25
Temperature Stability	:	300°C
Tensile Strength	:	~13Mpa (Rubber Region)
Elongation	:	>600%
Bending Modulus	:	1900 (Glassy Region)
Bending Strength	:	50MPa (Glassy Region)
Colour Tone	:	Light Yellow
A/B Weight Ratio	:	40/60
Viscosity Sol A	:	360
Viscosity Sol B	:	300
Specific Gravity Sol A	:	1.062
Specific Gravity Sol B	:	1.215
Strength	:	G/R
Bending Strength	:	75 Mpa
Bending Modulus	:	1800 Mpa
Tensile Strength	:	52 Mpa
Elongation	:	10-30
Hardness	:	80 (Shore D)
Strength	:	R/R
Tensile Modulus	:	20 Mpa

NANOSHEL LLC (In Collaboration)

3422 Old Capitol Trial Suit 1305, Wilmington DE - 19808 USA
(001) 302 652-3464, + 91 9779-880077

Tensile Strength	:	>400 Mpa
Elongation	:	4.5 Mpa
Hardness	:	40%
Glass Transition Point	:	55°C
Pot Life (Standard)	:	180Sec
Cure Temp (?×time)	:	70°C for 1-2Hours
Injection Extrusion	:	20Kg Bag
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time



Characterization of Shape Memory Resin Solution



Shape Memory Resin Solution



NANOSHEL
Creating Miracles in Black