

# Specification Sheet

## Shape Memory Polymers

Stock No: NS6130-09-913, CAS: 25038-59-9

<b>Product</b>	:	<b>Shape Memory Polymer Pellet PMM</b>
Stock No	:	NS6130-09-913
CAS	:	25038-59-9
Physical Form Pellets	:	(Injection Moulding Capability)
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)
Potting Type	:	(PMP)
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
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
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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



## Characterization of Shape Memory Polymers



Pharmaceutical Anti-counterfeiting Solutions

