

Specification Sheet

Injection Extrusion

Stock No: NS6130-09-910, CAS: 25038-59-9

Product : **Shape Memory Polymer****Molding**

Stock No : NS6130-09-910

CAS : 25038-59-9

Glass Transition temp : 55°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

Tensile Strength : >400 Mpa

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| | | |
|------------------------------|---|-------------------|
| 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 | : | 20 Kg Bag |
| Main Inspect Verifier | : | Manager QC |

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



Characterization of Injection Extrusion



Shape Memory Polymer Pellet PMM

