

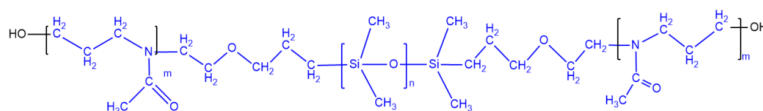
# Product Profile

## Identification

**Product Name:** Poly(2-methyl-2-Oxazine)-b-poly(dimethyl siloxane)-b-poly(2-methyl-2-Oxazine)

**Product Lot Number:** P45055-MeOZ-DMS-MeOZ

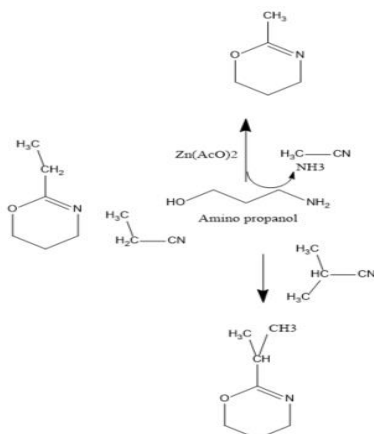
**Product Chemical Architecture:**



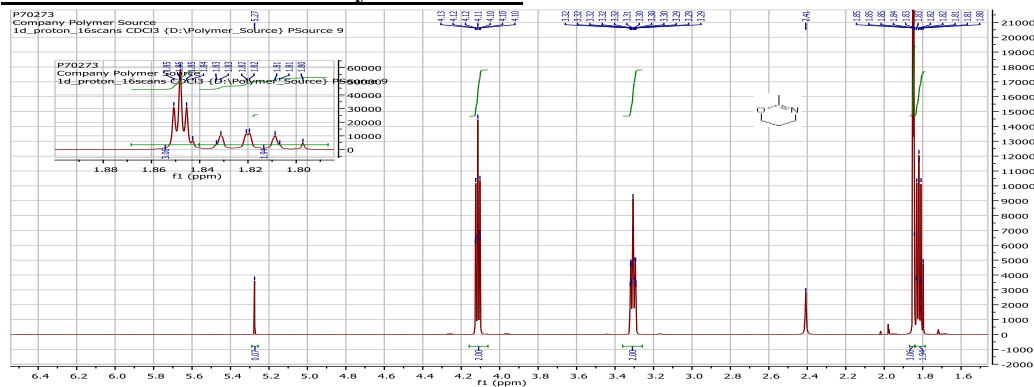
**Composition:**

| Mn x 10 <sup>3</sup> | Mw/Mn (PDI) | Dp of each block <sup>3</sup> A-B or ABA from <sup>1</sup> H NMR |
|----------------------|-------------|--|
| 0.3-b-5.0-b-0.3      | 1.3         | 3-b-65-b-3   |

## Method of Synthesis



## **HNMR of Monomer 2-Methyl-2 Oxazine:**

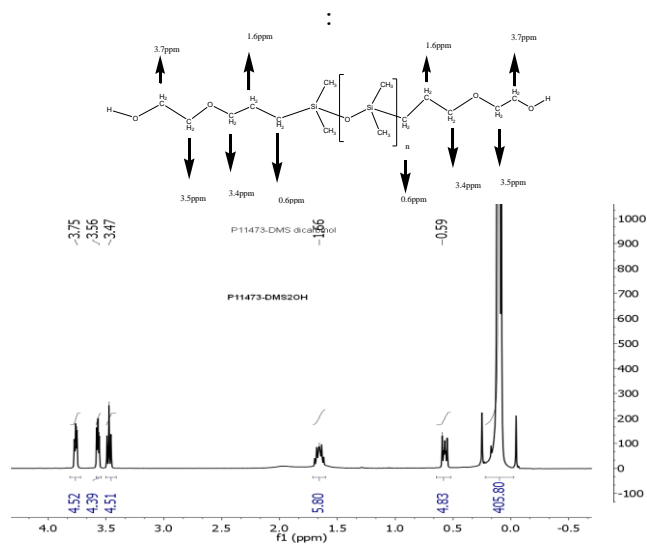
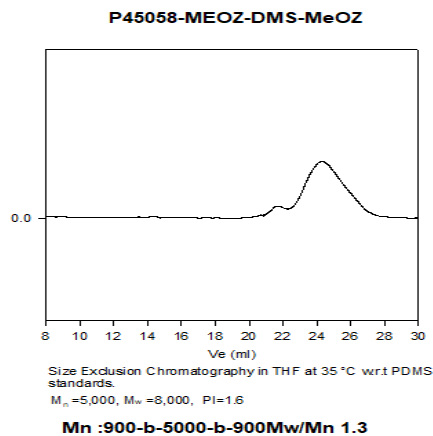


## Solubility in different solvents

|             |  |       |  |
|-------------|--|-------|--|
| THF         |  |       |  |
| CHCl3       |  | CHCl3 |  |
| Toluene-Hot |  |       |  |

## Validation of Architecture:

### A. Gel Permeation Chromatography (GPC), SEC- Profile



### B. NMR (HNMR) of polymer:

