

# Number Average Molecular Weight

A sample of atactic polystyrene is separated into 5 fractions:

Fraction	Number of Molecules	Molecular Weight
1	10,000,000	10,000
2	10,000,000	20,000
3	10,000,000	30,000
4	10,000,000	40,000
5	10,000,000	50,000

What is the number average molecular weight?

- A.  $1.50 \times 10^5$
- B.  $1.0 \times 10^5$
- C.  $3.67 \times 10^4$
- D.  $4.50 \times 10^4$

# Number Average Molecular Weights

**J. Goldsbrough, Chemistry**



## **Number Average Molecular Weights:**

**Number Average Molecular Weights** Robert U. Bonnar, Martin Dimbat, Fred H. Stross, 2013-08      **Number-average Molecular Weights** Robert U. Bonnar, 1958      **Molecular Weight Characterisation of Synthetic Polymers** S. R.

Holding, E. Meehan, 1995 The report comprises a state of the art overview of the subject of molecular weight characterisation supported by an extensive indexed bibliography The current methodology for GPC is described along with its use in combination with other techniques such as light scattering and viscosity 094 An additional indexed section containing several hundred abstracts from the Rapra Polymer Library database provides useful references for further reading

**NUMBER AVERAGE MOLECULAR WEIGHTS FUNDAMENTALS AND DETERMINATION.** R. U. BONNAR, 1985

**Paint and Coating Testing Manual**, *Polymer Technology Dictionary* Tony Whelan, 1994 A comprehensive encyclopaedic dictionary on polymer technology with expanded entries trade name and trade marks list of abbreviations and property tables      The Code of Federal Regulations of the United States of America, 2002 The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government      *Code of Federal Regulations*, 2002 Special edition of the Federal Register containing a codification of documents of general applicability and future effect as of July 1 with ancillaries

**Polymer Molecular Weights, (2 Part)** Philip E. Slade, 1975-03-01 This two part book incorporates in one definitive publication the major techniques used to determine the molecular weights of polymers as presented by some of the most respected authorities in the field Part I of this practical guide covers membrane osmometry end group determinations absolute colligative property methods and light scattering methods Discussions on theoretical background are included for every experimental procedure as are examples of applications in polymeric processes The information contained in *Polymer Molecular Weights* cannot be found in any other single publication making it the most convenient source of information on molecular weight measurement for polymer chemists and physicists analytical and physical chemists biochemists and other scientists in the plastics and synthetic fiber industries Book jacket      Federal Register, 1984-11-13      *Title 40 Protection of Environment Parts 150 to 189 (Revised as of July 1, 2013)* Office of The Federal Register, Enhanced by IntraWEB, LLC, 2014-07 40 CFR Protection of Environment      Number Average Molecular Weight of Polymers J. Goldsbrough, Chemistry, 1968      **Minnesota Mining and Manufacturing Company V. Technical Tape Corp**, 1962      **Minnesota Mining and Manufacturing Company V. Permacel-LePage's, Inc**, 1964      **Determination of Molecular Weight** Anthony R. Cooper, 1989-10-18 Presents the state of the art in molecular weight distribution of polymeric materials First chapter covers the concepts of molecular averages and distribution functions for polydisperse polymer systems Chapters 2 through 4 summarize techniques for determining number average molecular weight Following chapters cover all the modern techniques for determining molecular weight including classical light scattering x ray scattering neutron scattering use of the ultracentrifuge viscometric determination

viscoelastic measurements fractionation techniques chromatographic techniques mass spectrometry as well as methods for characterizing insoluble polymers Final chapter surveys the various types of standard polymers available for commercial sources

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**substitutes under contract OEMcmr-153** United States. Office of Scientific Research and Development. Committee on Medical Research,1942      *Law of Chemical Regulation and Hazardous Waste* Donald W. Stever,1986      **Journal of the**

**American Chemical Society** American Chemical Society,1913

**Wallerstein Laboratories Communications on the**

**Science and Practice of Brewing** Wallerstein Laboratories,1937

**Texas Reports on Biology and Medicine** ,1951

## **Number Average Molecular Weights** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Number Average Molecular Weights**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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