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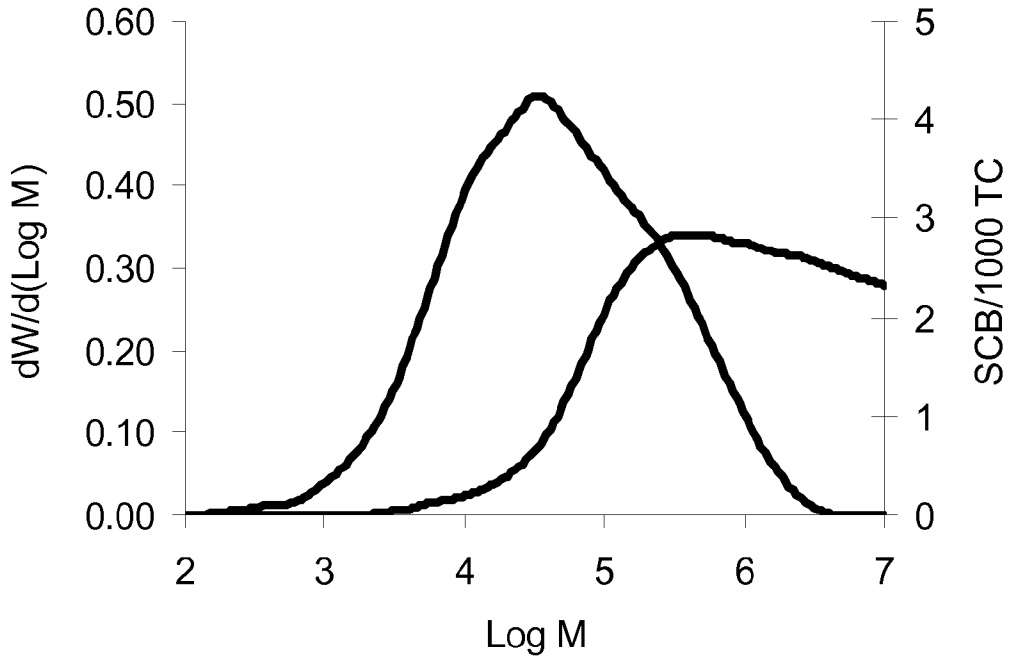
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(54) Title: METHOD FOR EMPLOYING SEC-FTIR DATA TO PREDICT MECHANICAL PROPERTIES OF POLYETHYLENE



(57) Abstract: The present invention provides several methods of determining values of physical or chemical properties of polymers. In these methods, at least two polymer training samples are provided. Characteristics of the polymer microstructures of the training samples are correlated with values of physical or chemical properties of the training samples. These correlations are subsequently applied to the respective characteristics of polymer test samples in order to determine the values of physical or chemical properties of the test samples.

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