

Skinner apparently misinterpreted the equations of Marker, Early, and Aggarwal⁵ on this matter.

Small barrels are used for various reasons, one being to shorten heat-up time. Small barrels may cause significant piston friction, but the magnitude is difficult to measure or calculate. The use of a piston ring is suggested to reduce this source of error.

A pressure transducer at the bottom of the barrel overcomes both sources of error, but this is not practical with the melt flow index apparatus. We suggest the use of a Teflon O ring on the piston and an indicator for piston displacement. The indicator provides information needed to interpret readings at any length of reservoir, and offers the extra benefit of a volume measurement, thus eliminating the need of weighing the extrudate.

We recommend that users of the melt flow index test consider their need for these modifications to their equipment.

References

1. Skinner, S. J., *J. Appl. Polymer Sci.*, **5**, S5 (1961).
2. Merz, E. H., and R. E. Colwell, *ASTM Bull. No. 232*, 63 (1958).
3. Schreiber, H. P., *J. Appl. Polymer Sci.*, **3**, 122 (1960).
4. Bagley, E. B., *J. Appl. Phys.*, **28**, 624 (1957).
5. Marker, L., R. Early, and S. L. Aggarwal, *J. Polymer Sci.*, **38**, 381 (1959).

D. I. MARSHALL

Western Electric Company
Princeton, New Jersey

D. W. RILEY

Western Electric Company
Buffalo, New York

Received October 19, 1961

ERRATUM

Characterizing Impact Behavior of Thermoplastics

(*J. Appl. Polymer Sci.*, **6**, 332-337 1962)

by W. E. WOLSTENHOLME

Research Center, United States Rubber Company, Wayne, New Jersey

On page 335 reference 3 should read U. S. Patent 2,362,589 (1944).

CORRIGENDUM

We regret that an editorial error in processing the paper by A. N. Gent (*J. Appl. Polymer Sci.*, **6**, 433-441, 1962) resulted in a misstatement of the title of the article. The correct title is: "Relaxation Processes in Vulcanized Rubber. I. Relation between Stress, Relaxation, Creep, Recovery, and Hysteresis."