



Designation: D 6175 – 9803

Standard Test Method for Radial Crush Strength of Extruded Catalyst and Catalyst Carrier Particles¹

This standard is issued under the fixed designation D 6175; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method covers and is suitable for determining the resistance of extruded catalysts and catalyst carriers to compressive force from the side.

1.2 This test method was developed using extruded catalyst and catalyst carriers from $\frac{1}{16}$ to $\frac{1}{8}$ in. in diameter (0.159 to 0.318 cm) and limited to pieces with a length to diameter ratio greater than or equal to 1:1. This test method may be applicable to other diameters.

1.3 This test method is suitable for the determination of mean crush strength per millimetre in the range of 0 to 15 lbf/mm (0 to 65 N/mm).

1.4 The values stated in pounds lbf/mm units are to be regarded as the standard. The values given in parentheses are provided for information only.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before use.*

¹ This test method is under the jurisdiction of ASTM Committee D32 on Catalysts², and is the direct responsibility of Subcommittee D32.02 on Physical-Mechanical Properties.

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