



DATE: 03 December 2021

Product Identifier

SRM Number: 2112
SRM Name: Dynamic Impact Force Verification Specimens
(Self-Verification, 8 mm Striker; 24 kN nominal)

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Standard Reference Material (SRM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

Exemption: 1910.1200 (c). This SRM is an Article, as the word is defined by OSHA, where *Article* means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of 1910.1200), and does not pose a physical hazard or health risk to employees.

Description: This SRM is intended primarily for the verification of the maximum force measured dynamically using a Charpy machine equipped with an instrumented 8-mm striker, in accordance with the current ASTM Standard E2298 or the current ISO Standard 14556. SRM 2112 is made from 4340 alloy steel. A unit of SRM 2112 consists of a set of four specimens needed to perform a single verification.

Disposal: SRM 2112 should be disposed of in accordance with local, state, and federal regulations.

Transport Information: This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

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Users of this SRM should ensure that this document and the corresponding Certificate in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; e-mail srmmads@nist.gov; or via the Internet at <https://www.nist.gov/srm>.