

Dynamic Impact Force Verification Specimens (Self-Verification, 8-mm Striker, 24 kN nominal)

Art. ID	NIST-2112
Unit	set
Deliverydetails	No Dangerous Good /not restricted

Description

The certified values delivered by this Standard Reference Material (SRM) are 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. A unit of NIST-2112 consists of a set of four specimens needed to perform a single verification. NIST-2112 is made from 4340 alloy steel. The bars are finished to length, stamped, heat-treated, and machined in SRM specimen lots of approximately 1200 to 2000 specimens. Each specimen has a lot number and an identification number (three or four digits). /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Room Temperature (21 ± 1 °C)	Absorbed energy Values		105,3	J		
-40 ± 1 °C	Absorbed energy Values		97,5	J		
Room Temperature (21 ± 1 °C)	Maximum Force		24,06	kN		