Chinastandards.org

ICS 43.120
CCS T 40

TCSAE

ASSOCIATION STANDARD

TCSAE 56-2017

Bulletproof steel sheet and strip for automobile use

汽车用防弹钢板和钢带

(English Translation)

Issued on: November 3, 2017 **Implemented on: November 3, 2017**

Issued by: China Society of Automotive Engineers

Preview: page 1 of 4 shown, 14 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-56-2017

Chinastandards.org

Table of Contents

1 Scope
2 Normative references
3 Classification and code
4 Grades, types and applications
5 Requirements
5.1 Production process conditions
5.2 Chemical composition
5.3 Delivery status
5.4 Mechanical properties
5.5 Anti-elasticity
5.6 Dimension, shape, weight and tolerance
5.6.1 Standard thickness specifications
5.6.2 Dimensional accuracy
5.6.3 Plate shape
5.6.4 Weight
5.7 Microstructure
5.8 Surface quality
6 Quality inspection and testing
6.1 Inspection responsibility
6.2 Inspection regulations
6.2.1 Inspection category
6.2.2 Batch rules
6.2.3 Inspection items, categories, sampling quantity and requirements
6.2.4 Re-inspection and judgment rules
6.3 Inspection methods
6.3.1 Chemical composition inspection
6.3.2 Metallographic test
6.3.3 Tensile test
6.3.4 Bend test
6.3.5 Hardness test
6.3.6 Anti-elasticity test
6.3.7 Appearance and surface quality inspection

Preview: page 2 of 4 shown, 14 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-56-2017

6.3.8 Dimensions

6.3.9 Ultrasonic inspection

7 Numerical rounding rules

1 Foreword

TCSAE 56-2017 was issued by China Society of Automotive Engineers on 3 November 2017 and took effect the same day.

The TCSAE prefix marks a association standard, adopted voluntarily.

The document runs to 14 pages in English translation.

2 Scope Preview

This standard specifies the grades, uses, composition, shape, dimensions, surface quality, performance, inspection and testing, packaging marks, quality specifications, etc. of bulletproof steel sheets and strips for automobiles. This standard applies to cash transport vehicles, anti-riot vehicles, riot shields and other civilian bulletproof steel bulletproof steel plates and steel belts (hereinafter collectively referred to as steel plates and steel strips).

TCSAE 56-2017 falls under ICS 43.120, in the field of road vehicle engineering.

This catalogue holds 32 other TCSAE standards in that field.

In this catalogue, TCSAE standards carry edition years from 2015 to 2020.

3 About this standard

Issued by: China Society of Automotive Engineers

English translation: about 14 pages

Chinese original: about 20,261 characters

4 Related standards

Standards on related subjects:

QC/T 1029-2016 - Polypropylene (PP) honeycomb board products for automobiles

QC/T 797-2008 - Material identification and marking of automotive plastic, rubber and thermoplastic elastomer parts

Preview: page 3 of 4 shown, 14 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-56-2017

Chinastandards.org

5 Classification and status

International classification (ICS): 43.120

Chinese Standard Classification (CCS): T 40

Prefix TCSAE: association standard, adopted voluntarily.

Preview: page 4 of 4 shown, 14 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-56-2017