



# MALAYSIAN STANDARD

MS ISO 179-1:2002

## PLASTICS - DETERMINATION OF CHARPY IMPACT PROPERTIES - PART 1 : NON-INSTRUMENTED IMPACT TEST (ISO 179-1:2000, IDT)

ICS : 83.080.01

Descriptors : plastics, test, charpy impact test, determination, test conditions, test specimens

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## Committee representation

The Plastics and Plastics Products Industry Standards Committee (ISC J) under whose supervision this Malaysian Standard was developed, comprises representatives from the following organisations:

Department of Standards Malaysia  
Federation of Malaysian Manufacturers  
Institut Kimia Malaysia  
Jabatan Kerja Raya  
Lembaga Getah Malaysia  
Malaysian Petrochemical Association  
Malaysian Plastics Manufacturers Association  
Ministry of Domestic Trade and Consumer Affairs  
Ministry of Health  
Plastics and Rubber Institute of Malaysia  
SIRIM Berhad (Plastics Technology Centre)  
The Institution of Engineers, Malaysia  
Universiti Kebangsaan Malaysia  
Universiti Sains Malaysia  
Universiti Teknologi Malaysia

The Technical Committee on General Methods of Test for Plastics which developed this Malaysian Standard consists of representatives from the following organisations:

Azman Hamzah Plastik Sdn Bhd  
Federation of Malaysian Manufacturers  
Hicom Teck See Manufacturing (M) Sdn Bhd  
Institut Kimia Malaysia  
IKRAM C & S Sdn Bhd  
Polypropylene (M) Sdn Bhd  
SIRIM Berhad (Plastics Technology Centre)  
SIRIM Berhad (Secretariat)  
Universiti Kebangsaan Malaysia  
Universiti Teknologi Malaysia  
Universiti Teknologi MARA

## NATIONAL FOREWORD

This Malaysian Standard was developed by the Technical Committee on General Methods of Test for Plastics under the authority of the Plastics and Plastics Products Industry Standards Committee.

This Malaysian Standard is identical with ISO 179-1:2000, '*Plastics – Determination of charpy impact properties – Part 1: Non-instrumented impact test*', published by the International Organization for Standardization (ISO), which has the same title. The text of the International Standard is recommended for publication as a Malaysian Standard without deviation. However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard"; and
- b) the comma which is used as a decimal sign (if any), to read as a full point.
- c) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

Referenced International Standards:

Corresponding Malaysian Standards:

ISO 291:1997, Plastics – Standard atmospheres for conditioning and testing

MS ISO 291:2000, Plastics – Standard atmospheres for conditioning and testing

ISO 293:1986, Plastics – Compression moulding test specimens of thermoplastic materials

MS 1335:1993, Method of test for plastics – Compression moulding test specimens of thermoplastic materials

ISO 294-1:1996, Plastics – Injection moulding of test specimens of thermoplastics materials – Part 1 : General principles, and moulding of multipurpose and bar test specimens

MS ISO 294-1:2002, Plastics – Injection moulding of test specimens of thermoplastics materials – Part 1 : General principles, and moulding of multipurpose and bar test specimens

ISO 294-3:1996, Plastics – Injection moulding of test specimens of thermoplastics materials – Part 3 : Small plates

MS ISO 294-3:2002, Plastics – Injection moulding of test specimens of thermoplastics materials – Part 3 : Small plates

ISO 2818:1994, Plastics – Preparation of test specimens by machining

MS ISO 2818:1995, Plastics – Preparation of test specimens by machining

ISO 3167, Plastics – Multipurpose test specimens

MS ISO 3167:2000, Plastics – Multipurpose test specimens

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NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.