ICS 83.080.20 SLOVENSKÁ TECHNICKÁ NORMA September 2019

STN	**Plasty** **Materiály z polyfenylénsulfidu (PPS) na tvárnenie a vytláčanie** **Časť 1: Systém označovania a základy na špecifikáciu (ISO 20558-1: 2018)**	**STN** **EN ISO 20558-1** 64 3652

Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 20558-1:2018)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/19

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN ISO 20558-1

March 2019

ICS 83.080.20

English Version

Plastics - Poly(phenylene sulfide) (PPS) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 20558-1:2018)

Plastiques - Matériaux pour moulage et extrusion en poly(phénylène sulfide) (PPS) - Partie 1: Système de désignation et base de spécification (ISO 20558-1:2018)

Kunststoffe - Polyphenylensulfid (PPS)-Werkstoffe - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 20558-1:2018)

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European foreword

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This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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INTERNATIONAL STANDARD

ISO 20558-1

First edition
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Plastics — Poly(phenylene sulfide) (PPS) moulding and extrusion materials —

Part 1: Designation system and basis for specifications

Plastiques — Matériaux pour moulage et extrusion en poly(phénylène sulfide) (PPS) —

Partie 1: Système de désignation et base de spécification

Reference number
ISO 20558-1:2018(E)

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This first edition of ISO 20558-1 cancels and replaces ISO 28078-1:2009, which has been technically revised to introduce a new designation system.

The revised designation system is published under a new ISO number, as many existing documents refer to ISO 28078-1. If the existing ISO 28078-1 would be replaced by the new designation system, these documents would refer to the incorrect designation system.

In order to give users time to switch from ISO 28078-1 to ISO 20558-1 any designation system according to ISO 28078-1 is to be phased out in 5 to 10 years.

A list of all parts in the ISO 20558 series can be found on the ISO website.

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INTERNATIONAL STANDARD **ISO 20558-1:2018(E)**

Plastics — Poly(phenylene sulfide) (PPS) moulding and extrusion materials —

Part 1: Designation system and basis for specifications

1 Scope

This document establishes a system of designation for poly(phenylene sulfide) (PPS) thermoplastic materials, which can be used as the basis for specifications.

The types of poly(phenylene sulfide) (PPS) materials are differentiated from each other by a classification system based on appropriate levels of the designatory properties

a) melt mass-flow rate or melt viscosity;

b) density;

c) tensile modulus;

and on information about the intended application and/or method of processing, important properties, additives, colorants, fillers and reinforcing materials.

This document is applicable to all PPS materials. It applies to materials ready for normal use in the form of powder, granules or pellets and to materials unmodified or modified by colorants, additives, fillers, etc.

It is not intended to imply that materials having the same designation give necessarily the same performance. This document does not provide engineering data, performance data or data on processing conditions which can be required to specify a material for a particular application and/or method of processing. If such additional properties are required, they are intended to be determined in accordance with the test methods specified in ISO 20558-2, if suitable.

In order to specify a thermoplastic material for a particular application or to ensure reproducible processing, the requirements are given in data block 5 (see 4.1).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1043-1, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*

ISO 20558-2, *Plastics — Poly(phenylene sulfide) (PPS) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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