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**Testing methods for fluoroplastic
coating film on metal substrate**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Fluoropolymers Industry Association (JFIA)/The Japan Plastics Industry Federation (JPIF)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS K 6894**:1996 is replaced with this Standard.

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Testing methods for fluoroplastic coating film on metal substrate

Introduction

This Japanese Industrial Standard was established in 1972 and has gone through three revisions since then. The revision at this time is for the purpose of responding to withdrawal and shifting of **JIS K 5400** (general test methods for paints) which took place after the last revision made in 1996.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the test methods for the coating films for industrial and domestic use (hereafter referred to as “coating films”) that are obtained by coating the metal substrate with fluoroplastic paint mainly composed of fluororesin and then baking it. This Standard is applicable to the types of fluoroplastic coating films as shown in Table 1.

Table 1 Types of fluoroplastic coating films

Type	Symbol
Polytetrafluoroethylene	PTFE
Perfluoro alkoxy alkane	PFA
Perfluoro ethylene propylene copolymer	FEP
Ethylene-tetrafluoroethylene copolymer	ETFE

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0651 *Geometrical Product Specifications (GPS)—Surface texture: Profile method—Nominal characteristics of contact (stylus) instruments*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7721 *Tension/compression testing machines—Verification and calibration of the force-measuring system*

JIS G 4404 *Alloy tool steels*

JIS K 5600-1-1 *Testing methods for paints—Part 1: General rule—Section 1: General test methods (conditions and methods)*

JIS K 5600-1-4 *Testing methods for paints—Part 1: General rule—Section 4: Standard panels for testing*

JIS K 5600-1-7 *Testing methods for paints—Part 1: General rule—Section 7: Determination of film thickness*