

Water-based Fluoropolymer Coating POLYFLON PTFE ED-3239S1R

TECHNICAL
DATASHEET

Water-based PTFE topcoat for conductivity and non-stick property.

Introduction

- POLYFLON PTFE ED-3200 grade is a water-based PTFE topcoat.
- POLYFLON PTFE ED-3239S1R makes a black topcoat layer displaying conductivity and non-stick property.
- It is good for office automation equipments.

General physical properties

Film appearance	Viscosity [cP]	pH	Solid content [mass%]	Specific gravity of coating
Black	260	9	41	1.3~1.4

Physical properties of the coating film

Items	Unit	Data	Method of measurement ※ 1
Surface electrical resistance	Ω	$1.0 \times 10^2 - 9.9 \times 10^7$	Measured a film which was made on a glass plate with Hiresta HT-450 10~500V-10sec.
Pencil hardness (25°C) (200°C)		F – 2H 2B - B	JIS K6894 (Stripping hardness of base material)
Cross-cut adhesion		100/100	JIS K5400 8.5 (Stripping with cellophane tape, 10 times)
Taber abrasion (25°C)	mg/1000 rounds	2.0 – 4.0	CS-10、500g、1000 rounds
Contact angle (Water) (Hexadecane)	degree	115 – 125 45 – 55	Contact angle meter at 25°C

※ 1 The coating film was evaluated with a test piece below.

Substrate: Aluminum plate roughened with Tosa Emely Extra #80/#100=50/50

Primer: ED-1939D21R, approximately 10μm thick

Topcoat: Approximately 10~15μm thick

* The numeric values above are typical and not guaranteed.

Handling method/Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.

For more information, visit our website.

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