

Water-based Fluoropolymer coating NEOFLON FEP ND-4R

 TECHNICAL
DATASHEET

Water-based FEP topcoat for non-stick property.

Introduction

- NEOFLON FEP ND-4R is a water-based FEP topcoat.
- It makes a clear topcoat layer displaying non-stick property.

Characteristics

Film appearance	Viscosity [cP]	pH	Solid content [mass%]
Clear	500	8	39

Characteristics of the coating film

Items	Unit	Data	Method of measurement
Pencil hardness (25°C)		H – 2H	JIS K6894 (Stripping hardness of base material)
Cross-cut adhesion		100/100	JIS K5400 8.5 (Stripping with cellophane tape, 10 times)
Contact angle (Water) (Hexadecane)	degree	105 – 108 50 – 53	Contact angle meter at 25°C

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

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

Primer: EK-1909S21R, approximately 10μm thick

Topcoat: Approximately 20μm 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.



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