



Coating powder

NEOFLON_{TM} EFEP coating powder

NEOFLON EFEP coating powder is an innovative material which possesses both the original characteristics of fluoropolymer and adhesion. With improved workability and transparency, the potential applicability of fluoropolymer has been extended.

1. Product Number

Product Number	Appearance	Particle diameter (μm)	Apparent density (g/ml)	MFR (g/min)	Appearance of coating film	Processing method	Applicable film thickness (μm)
RC-4520	White powder	20~60	0.45~0.95	25.0~50.0	Clear	Electrostatic coating	100~300

2. Characteristics**2-1 Characteristics of the powder**

Item	Measuring condition	Unit	RC-4520
Apparent density	Complies with JIS K6891	g/ml	0.45~0.95
Average particle size	Laser diffractometry	μm	25.0~50.0
Melting point	DSC	°C	155~170
MFR	Temperature 265°C -Loading 5kg	g/10min	25.0~50.0

2-2 Characteristics of coating film

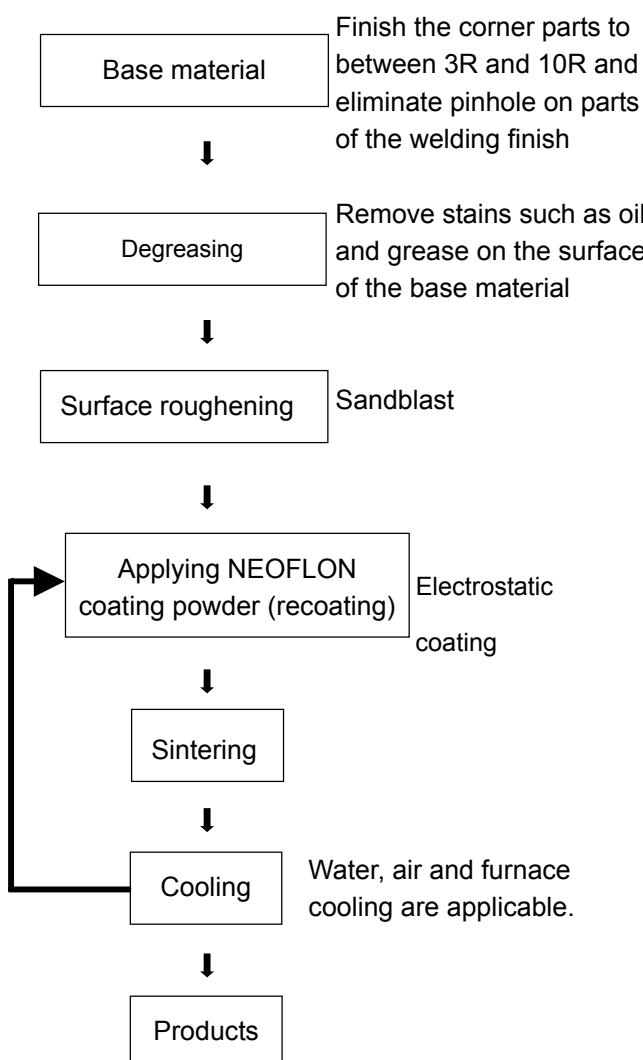
Item	ASTM Test	Measuring condition	Unit	RC-4520
Appearance	-	Visual check	-	Clear
Surface roughness (Ra)	-	Film thickness 300μm	μm	0.3

3. Processing

3-1 Coating

NEOFLON coating powder can be applied with using the same equipment as general powder coatings, such as electrostatic coating and rotational molding.

(1) Procedure of NEOFLON powder coating [For electrostatic coating]



Electrostatic coating equipment

4. Handling instructions

- (1) Please wear glasses, gloves, and masks while handling agents.
- (2) During sintering powders, or at sites where the resin temperature is high (PTFE, PFA=260°C, FEP=205°C, ETFE=150°C, EFEP=150°C), please ensure good ventilation as well as installing local ventilation equipment. In case any person inhales fumes generated during sintering, this may result in polymer fume fever, which has symptoms similar to a cold. Please control to ensure the temperature of the resin does not exceed a high level (PTFE, PFA=380°C, FEP=360°C, ETFE=310°C, EFEP=310°C) during sintering. If the temperature rises excessively, thermal cracking will increase, which may generate hydrogen fluoride.
- (3) Please avoid smoking at the work site as you may inhale hazardous gases if smoking a cigarette coated in NEOFLON coating powder. Wash your face and hands after processing work to ensure any cigarette is not exposed to the powder coating.
- (4) If you dispose of NEOFLON coating powder, avoid discarding into the sewage, and store in a specific container for disposal. For this purpose, make consignment contact with an industrial waste management company in order to consign the disposal.

5. Packaging

NEOFLON EFEP RC-4000 series Container: Packing case, Weight: 10kg

- The products described in this material are supplied for use by general industry, not designed and manufactured for medical purposes. Their adequacy and safety for medical use has not been tested, and cannot be assured by our company. With this in mind, for medical use, you must judge the applicability of use for medical purpose yourself based on testing, the views of medical experts, and legal restrictions of the authorities concerned. Also, if you use products for such purposes, we will only provide them if you consent to the conditions and contents of the contracts which we offer.
- The data released in this material represent one example of the actual value, and the example of usage written in this material does not guarantee the results of application of this product for such usage.

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