

Solvent-based Fluoropolymer coating POLYFLON PTFE TC-7809BK

 TECHNICAL
DATASHEET

Solvent-based PFA coating for non-stick property.

Overview

- POLYFLON PTFE TC-7800 grade is a solvent-based PTFE coating.
- POLYFLON PTFE TC-7809BK makes a black coating layer displaying non-stick property and heat resistance.
- It is good for cooking appliances and kitchen appliances.

Characteristics

Film appearance	Solid content [mass%]	Specific gravity of coating	Viscosity (Ford Cup #4) (sec.)(25°C)
Black	21	1.03	27

Characteristics of the coating film

Items	Unit	Data	Method of measurement
Maximum temperature	°C	250	
Wear resistance Taber abrasion(25°C)	mg/1000 rounds	30 – 50	CS-17、1kgf、1000 rounds
Friction coefficient		0.04 – 0.08	Bauden leben type, Steel ball 8mmφ, Linear velocity 0.27cm/s, Loading 1.0kg
Pencil hardness (25°C) (After immersed in boiled water for 500h) (After immersed in lard oil at 260°C for 24h)		H – 2H H – 2H F – H	Mitsubishi Uni
Contact angle (Water) (Hexadecane)	degree	104 – 108 40	Contact angle meter at 25°C
Chemical resistance Sulfuric acid Hydrochloric acid Nitric acid Sodium hydroxide Xylene Methanol		No change No change No change No change No change No change	for 16h at 25°C

* 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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