DAIKIN | Positively Innovative

Solvent-based Fluoropolymer coating
POLYFLON PTFE TC-7408GY

TECHNICAL DATASHEET

Solvent-based PTFE coating for abrasion resistance with sintering at lower temperature.

Introduction

- POLYFLON PTFE TC-7400 grade is a solvent-based PTFE coating.
- POLYFLON PTFE TC-7408GY makes a gray coating layer displaying hardness and abrasion resistance and hardness.
- It can be sintered at lower temperature (150 – 200℃).

Characteristics

Film appearance	Solid content [mass%]	Specific gravity of coating	Viscosity (Ford Cup #4) (sec.)(25°C)
Gray	35	1.00	15

Characteristics of the coating film

Items	Unit	Data	Method of measurement
Maximum temperature	°C	160	
Wear resistance Taber abrasion(25°C) Sliding abrasion	 mg/1000 rounds mg/cm^2	 25 – 35 0.2 – 0.3	CS-17、1kgf、1000 rounds With SUS23B、55.9kPa、2.3m/s、10 minutes
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)		 3H H	Mitsubishi Uni
Contact angle (Water) (Hexadecane)	degree	 92 – 96 35 – 41	Contact angle meter at 25°C
Chemical resistance Sulfuric acid Hydrochloric acid Nitric acid Sodium hydroxide		 No change No change No change No change	for 16h at 25°C

Xylene Methanol		Swelling 1.0% No change	

* 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.