

Anti-smudge coating OPTOOL DAC-HP

TECHNICAL
DATASHEET

OPTOOL DAC-HP is an antifouling additive that demonstrates surface antifouling function developed based on DAIKIN's proprietary technology cultivated in fluorochemical. By simply adding it to ultraviolet (UV) curing type acrylic hard coating agent, it exhibits antifouling properties, especially fingerprint adhesion prevention on treated surface.

Introduction

UV cure coating with OPTOOL DAC-HP offers the following benefits;

- easily cleaned surface (fingerprint, marker etc...)
- water and oil repellency
- low friction properties (slippery)
- superior antifouling durability
- no degradation of optical properties

General physical properties

An example of the observation characteristics of a hard coat that was UV-cured by adding OPTOOL DAC-HP is shown below.

Items		unit	Coating with DAC-HP	Coating without DAC-HP
Contact angle	Water	°	107	66
Contact angle	n-hexadecane	°	60	10>
Sliding angle	n-hexadecane	°	11	immeasurable
marker test (beading)	initial EtOH rubbing(50times)	—	beading beading	No beading No beading
marker test (removed)	initial EtOH rubbing(50times)	—	beading beading	No beading No beading
fingerprint test	anti-fingerprint removed	—	excellent excellent	No good No good

* The above numeric values are representative 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.

Packing specification

- 0.1kg, 0.8kg : 20 mass% concentration product

For more information, visit our website.

DAIKIN INDUSTRIES, LTD.

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tds-dac-hp-E_ver01_Apr_2018.
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