DURASURF DP-500 series VS Competitors Fluorine-based product

【Liquid properties】

	DURASURF DP-500 series				Competitors Fluorine-based product
	DP-508TH	DP-508C	DP-520C	DP-530C	
Appearance	Colorless, transparent (*1)				Yellow - Yellow Orange
Active component density wt%	8.0		20	30	4.0
Active component type	Fluorinated acrylate				Fluorinated acrylate
Dilution solvent	Fluorine-based solvent				Fluorine-based solvent
Boiling point °C	70~80	110~120			70~80
Density g/cm^3	Approx. 1.4	Approx. 1.5			Approx. 1.4
Viscosity cP(*2)	Approx. 5		Approx. 20	Approx. 100	Approx. 2
Flash point °C	None				None

【Film properties】

	DURASURF DP-500 series				Competitors Fluorine-based product
	DP-508TH	DP-508C	DP-520C	DP-530C	
Film thickness μm	Approx. 5		10~20	20~30	0.3~6
Coat at thicker film thickness	Possible				Possible
Curing time at finger feeling min	0.1	1	5	10~20	<2
Hardning by heating	Not required				Not required
Removal by Fluorine-based solvent	Possible				Possible

Contact angle	Water °	112	107
	n-Hexacadene °	70	57
Pencil hardness		4B~3B	Lower than 6B
Surface tention mN/m		13~14	11~12
Permittivity		2.5 / 1MHz	3.2 / 1kHz
Dissipation factor		0.02 / 1MHz	0.02 / 1kHz
Moisture permeability (*3)	Converted value at 5 μm film thickness	554	1020
	Converted value at 10μm film thickness	277	510
	Converted value at 20μm film thickness	139	255

*1: Supplying in fluorescent or blue color for visualization is possible at an option.

*2: 1cP=1mPa・s

*3: 25°C90%RH g/m^2・24h

KBK Europe GmbH
Immermannstr. 13, Düsseldorf, 40210, Germany
Contact: Kiyonori Kaizaki
e-mail : kaizaki@kbkeurope.de
Tel : +49 (0) 211 35 00 15
http://www.kbkeurope.de/