



SH-HT Super Hydrophobic

Hydrophobic coatings on the market have had the issue that if the contact angle to water is high, the slipperiness and durability of surface goes down and if the slipperiness of the surface is good the contact angle to water and durability goes down. DON COMPANY's SH-HT coating offers excellent contact angle to water as well as excellent durability and a high level of slipperiness to meet the needs of the Optical Industry.

Features:

1. Contact angle to water and slipperiness have been improved, compared to other existing hydrophobic coatings, so it is easy to wipe off contamination on the lens surface.
2. SH-HT offers durable UV protection without lowering the effectiveness of the hydrophobic properties. Also resists yellowing of the lens.
3. Provides excellent impact resistance to the lens surface.

Coating method: Desposition

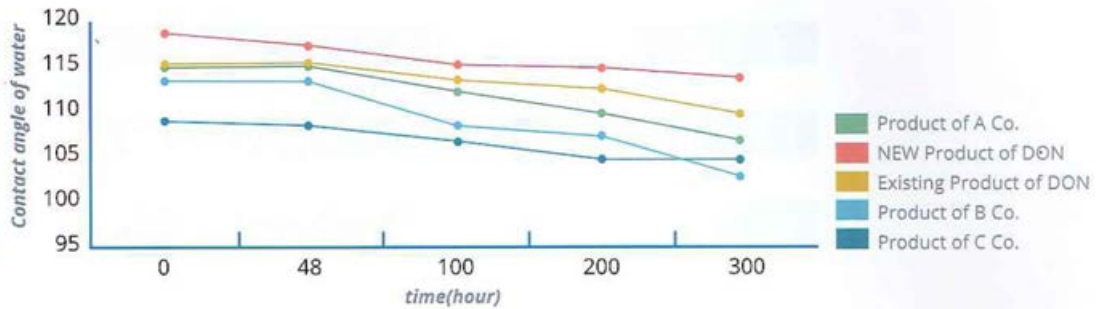
	Product of A Co.	Existing Product of DON	NEW Product of DON	Product of D co.	Product of E Co.
Contact angle to water(degree)	115	115	117	113	108
Sliding angle(degree)	8	7	5	5	5
Oil pen cleanability(%)	95	95	95	95	95
Oil pen repellent time(sec)	0.5	0.5	0.5	0.7	0.5

* Compare to the existing products or other companies products, the contact angles to water and the slip angle have much improved.

SH-HT Super Hydrophobic

UV - exposure

UV lamp: Carbon arc lamp
 Wavelength: 295-3000nm
 Intensity: 910W/m²
 Lamp/Lens distance: 400mm

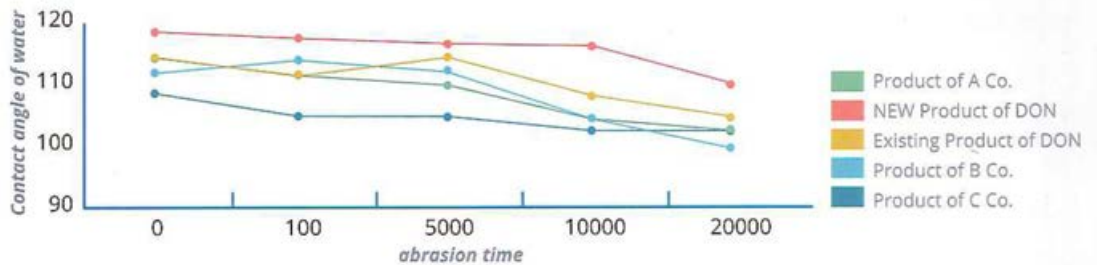


Test result

	Product of A Co.	Existing Product of DON	NEW Product of DON	Product of D co.	Product of E Co.
Contact angle to water(degree)	107	110	114	104	105
Sliding angle(degree)	13	12	10	15	11
Oil pen cleanability(%)	50	50	50	40	50
Oil pen repellent time(sec)	2	3	2	5	4

Abrasion resistance

wipe with dry cotton
 weight: 100g



Test result

	Product of A Co.	Existing Product of DON	NEW Product of DON	Product of D co.	Product of E Co.
Contact angle to water(degree)	103	105	110	100	103
Sliding angle(degree)	15	14	13	17	16
Oil pen cleanability(%)	20	20	20	10	20
Oil pen repellent time(sec)	3	3	2	5	3



Authorized Distributor for THE DON CO, LTD. Korea
 11617 Prospect Dr. • Odessa, FL 33556
 800-237-8154 • Fax 800-330-3800

LookToPSI.com