

Anti-Reflection Film HD Series

High durability optical film with superior abrasion of the anti-smudge layer

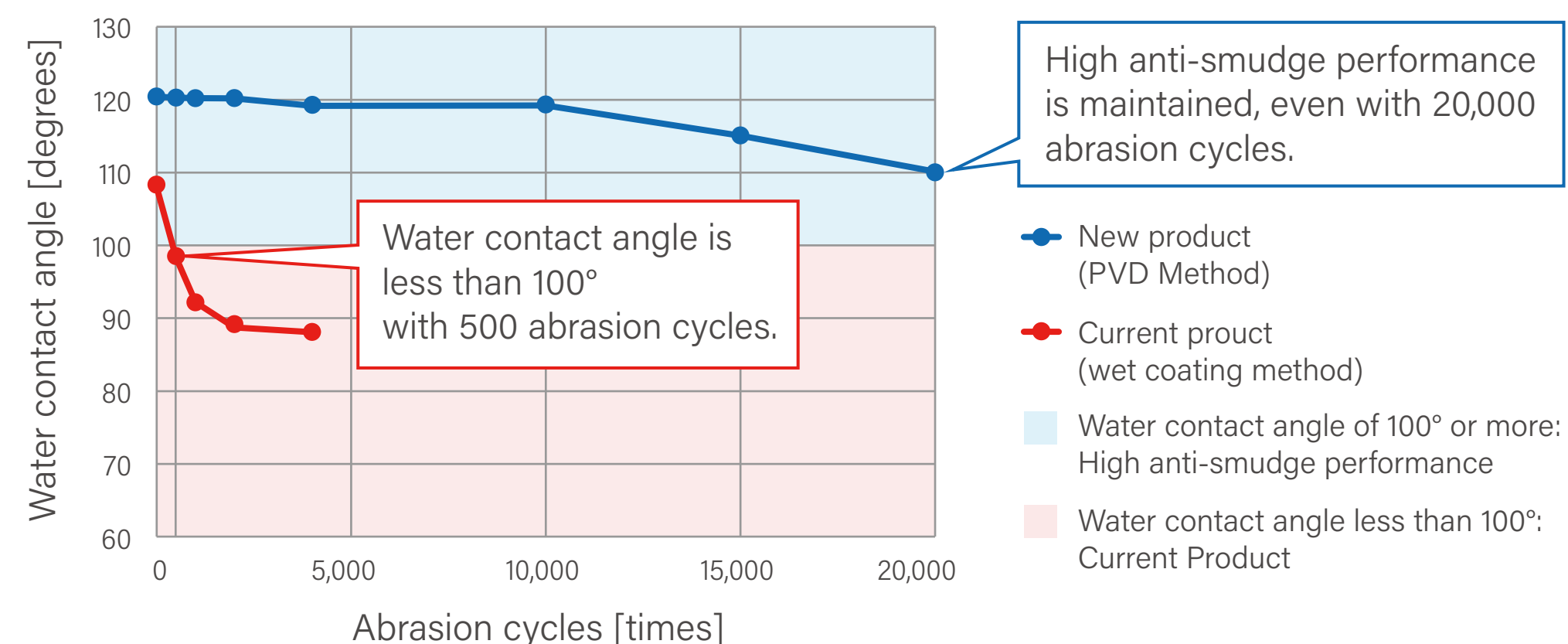
Product Name AR100-T081V-JD-HD AR100-T082V-AD-HD
AR100-T062V-BD-HD

Features

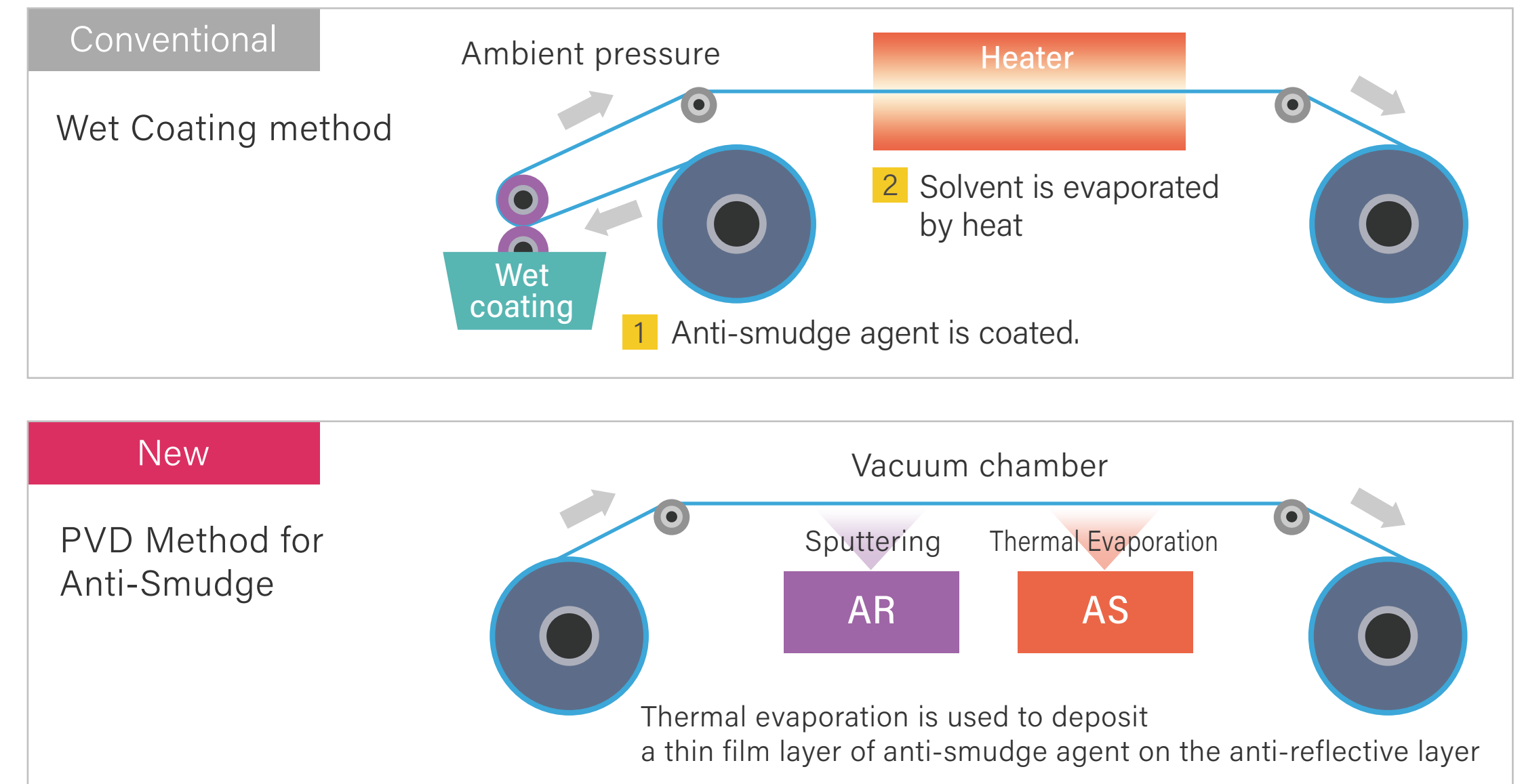


- High durability of the anti-smudge layer with significant increase in abrasion resistance due to applied vacuum deposition method.
- Improved anti-smudge function with increased initial water contact angle.

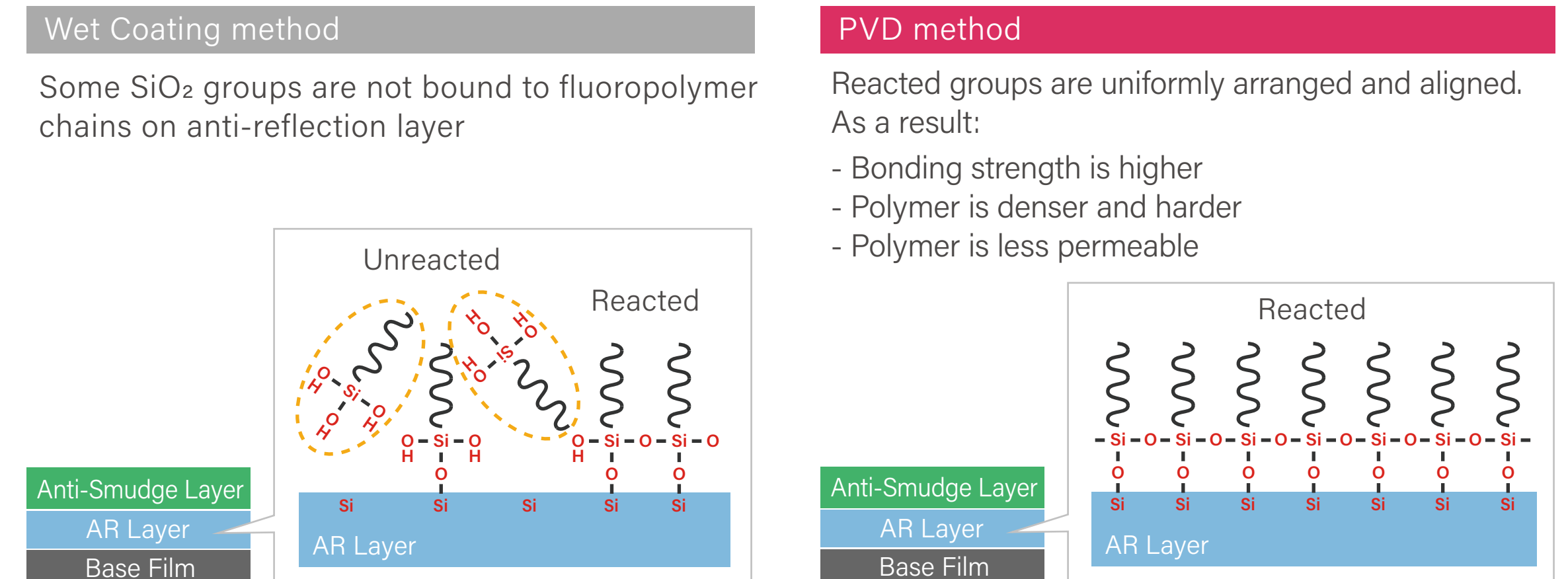
Abrasion Durability Test (nonwoven fabric wiper)



Comparison of anti-smudge layer forming methods



Mechanism of alignment of fluoropolymer



Specifications

		New product	Current product	Test condition
Product name		AR100-T081V-JD-HD	AR100-T081V-JD	
Method for forming the anti-smudge layer		Vacuum Deposition Method	Wet Coating Method	
Haze	%	0.3	0.3	JIS K7105-6.4
Total transmittance	%	96	96	JIS K7105-5.5
Luminous reflectance	%	0.17	0.17	JIS Z8701
Hue of Reflectance	a *	2.3	2.2	JIS Z8781
	b *	-8.2	-7.4	
Pencil Hardness		3H	3H	Measured with a load of 750 g based on JIS K5600-5-4
Scratch resistance		2,000 times No scratch	10 times No scratch	Steel wool abrasion test 1,000 gf

*1 : Comparison with our company's current product (AR200-T0810-JD) using the abrasion durability test (nonwoven fabric wiper)

*2 : Based on our company test

Dexerials America Corporation

TEL: +1-586-596-4076 <https://www.dexerials.jp/en/>

Product data described here are based on company evaluation results and are not to be used for specification purposes. Dexerials makes no warranty, representation or guarantee regarding the product data or suitability of the product for any particular purpose. It is essential to evaluate the product to determine whether it fits for a particular purpose and suitable for the user’s method or application.

The document was created in September 2021.