

Luvantix ADM

UV Curable Low Refractive Index Coatings

Special Fiber Low RI Coating

High Power Fiber Coating

Recoating Resin

Display Films

Adhesives

Optical Solution Provider for Special Fibers

Low Refractive Index Coatings

Optical Film Coating

UV Curable Coatings

PRODUCT LIST

2018. 01.

9H硬度超柔韧涂层

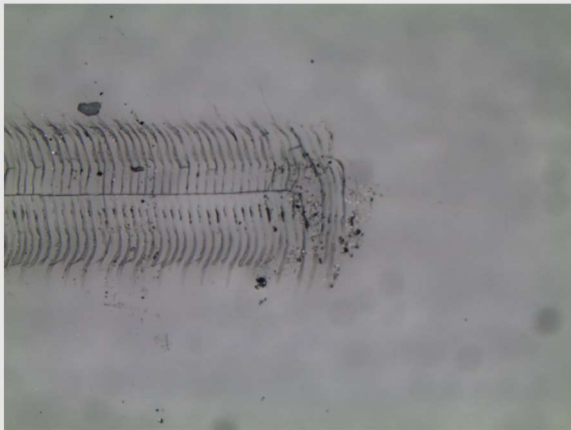
■ 9H硬度紫外光固化涂层薄膜

SFH 系列是紫外光固化硅氧烷产品，专为超柔韧和硬度涂层而设计。SFH系列为柔韧性定制，具体表现在表面9H硬度可以向内弯折1R和向外翻折10R的柔韧性。SFH系列产品具有紫外光固化硅氧烷化学结构骨架，即使在9H铅笔硬度测试中也可以展现超柔韧的特性。

显著的特征包括:

- 1. 通过了9H 铅笔硬度测试和700克负载 (ASTM D3363)
- 2. 向内弯曲半径可达1R,向外弯曲半径可达10R
- 3. 底漆对PET和PP材料具有优异的附着力
- 4. 紫外光固化和合适的粘度适用于传统的薄膜涂层生产线

9H pencil hardness with 700g loading (ASTM D3363)



Conventional UV Hard Coating



SFH Super Flexible 9H Coating

Product Code	SFH-1137	SFH-1225	SFH-2910	SFH-2950
Liquid Resin				
Resin Type	UV Siloxane	UV Siloxane	UV Siloxane	UV Siloxane
Viscosity 25°C (cPs)	150±50	150±50	150±50	150±50
Density 25°C (g/cm³)	<1.1	<1.1	<1.1	<1.1
Refractive Index (589nm)	1.47	1.47	1.47	1.47
Solid Content (%)	65%	65%	65%	65%
Cured on PET Film				
Thickness (µm)	40±5	40±5	40±5	40±5
Adhesion Cross Cut	5B (100/100)	5B (100/100)	5B (100/100)	5B (100/100)
Pencil Hardness (750g)	6H	7H	7H	9H
Flexibility (Outer)	10R	15R	20R	30R
Steel Wool Scratch (1kg)	No	No	No	No
Contact angle (D.I water)	88	88	90	95

低折射率硬质涂层

低折射率紫外光固化硬质涂层

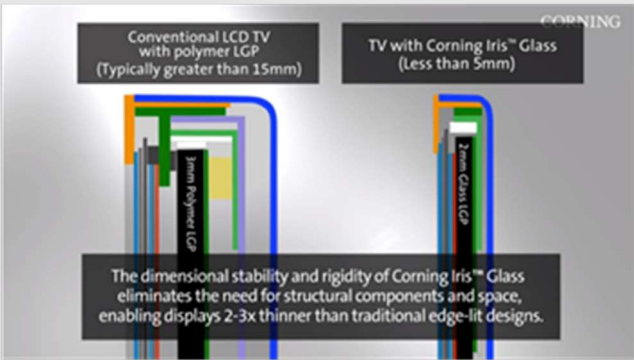
SFH具有低折射率辐射固化硬质涂层系列，可使用在超高透射率薄膜制造。这个系列具有和传统硬质涂层相同的3H硬度，但它的折射率可低至1.417。它还可以强烈吸附在PMMA，PET和PC基材上并长期具有独一无二的稳定性。

Product Code	SFH-417PC	SFH-431SH	SFH-439PC
Liquid Resin			
Resin Type	Fluoro Urethane	Fluoro Siloxane	Fluoro Urethane
Viscosity 25°C (cPs)	350±50	100±30	8000±500
Solid Content (%)	90%	70%	100%
Cured on PET Film			
Refractive Index (589nm)	1.417	1.431	1.439
Thickness (µm)	30±5	40±5	30±5
Adhesion Cross Cut	5B (100/100)	5B (100/100)	5B (100/100)
Pencil Hardness (750g)	H	3H	H
Flexibility (Bending Radius)	5R	10R	5R
Steel Wool Scratch (100g)	No	No	No

超低折射率涂层用于显示器

超低折射率紫外光固化涂层用于显示器

SFH-LC 系列是以最低市售折射率的产品，在光学薄膜材料市场中获得最高的效益的产品。SFH-LC系列是一种可辐射固化的氟代丙烯酸酯，可用于光学薄膜应用。它对用底漆处理的PET和PP薄膜具有很强的附着力。SFH-LC应用在构建改进的玻璃光导，自动立体3D显示器和OLED。



这款低折射率产品提高了光的全内反射并且能更好地从OLED中提取光源提高系统效率。

Product Code	SFH-340LC	SFH-345LC	SFH-370LC	SFH400LC
Liquid Resin				
Viscosity 25°C (cPs)	5400±200	5400±200	1900±200	1500±200
Solid Content (%)	100%	100%	100%	100%
Cured on PET Film				
Refractive Index (589nm)	1.340	1.345	1.370	1.400



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