



纳米防油剂

SH-H01

CHYC
致远新科化学

产品简介：

PRODUCT INTRODUCTION

SH-H01 纳米防水防油剂是一款无色透明低粘度的处理剂，不含环保禁用物质，可应用于各类高分子膜材料，PET，PCB 等材料的高防油要求。高效易涂覆，操作简单，应用在 PTFE 膜上效果更佳。本产品自身防油等级最高可达 8 级（AATCC118 测试法）

SH-H01 NANO WATERPROOF AND OIL PROOF AGENT IS A COLORLESS, TRANSPARENT, LOW VISCOSITY TREATMENT AGENT THAT DOES NOT CONTAIN ENVIRONMENTALLY PROHIBITED SUBSTANCES. IT CAN BE APPLIED TO VARIOUS POLYMER FILM MATERIALS, PET, PCB AND OTHER MATERIALS WITH HIGH OIL PROOF REQUIREMENTS. EFFICIENT AND EASY TO COAT, SIMPLE TO OPERATE, AND MORE EFFECTIVE WHEN APPLIED TO PTFE MEMBRANES. THIS PRODUCT HAS A MAXIMUM OIL RESISTANCE LEVEL OF 8 (AATCC118 TESTING METHOD)



产品性能测试：

PRODUCT PERFORMANCE TESTING



未处理的 PTFE 膜

没有经过处理的 PTFE 膜, 接触**乙醇 (95%)** 后: 表面瞬间浸润

UNTREATED PTFE FILM, UPON CONTACT WITH ETHANOL (95%): INSTANTLY WETS THE SURFACE



处理后的 PTFE 膜

经过 SH-H01 处理后的 PTFE 膜, 接触**乙醇 (95%)** 后: 表面未被浸润

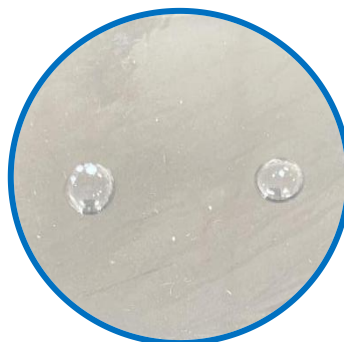
PTFE MEMBRANE TREATED WITH SH-H01, AFTER CONTACT WITH ETHANOL (95%): THE SURFACE IS NOT WETTED



未处理的 PTFE 膜

没有经过处理的 PTFE 膜, 接触**正庚烷** 后: 表面瞬间浸润

UNTREATED PTFE MEMBRANE, UPON CONTACT WITH N-HEXANE: SURFACE



处理后的 PTFE 膜

经过 SH-H01 处理后的 PTFE 膜, 接触**正庚烷** 后: 表面未被浸润

PTFE MEMBRANE TREATED WITH SH-H01, AFTER CONTACT WITH N-HEXANE: THE SURFACE IS NOT WETTED

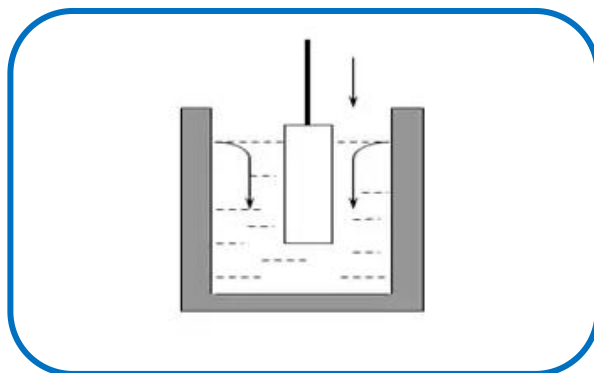
产品工艺:

PRODUCT PROCESSING TECHNOLOGY

浸渍:

把需要处理的基材完全浸泡在 SH-H01 的液体里面, 0.5-3 分钟取出

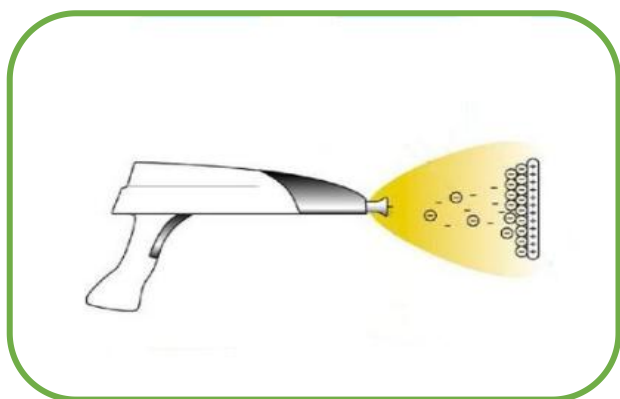
SOAK THE SUBSTRATE TO BE PROCESSED COMPLETELY IN THE LIQUID OF SH-H01 AND REMOVE IT AFTER 0.5-3 MINUTES



喷涂:

把使用喷枪把 SH-H01 均匀的喷洒在需要处理的基材表面

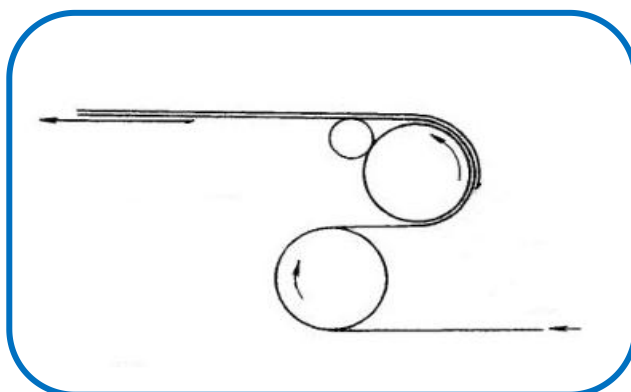
SPRAY SH-H01 EVENLY ONTO THE SURFACE OF THE SUBSTRATE TO BE TREATED USING A SPRAY GUN



滚涂:

通过轧辊设备把 SH-H01 滚动涂在需要处理的基材表面

ROLLING SH-H01 ONTO THE SURFACE OF THE SUBSTRATE TO BE TREATED USING ROLLING EQUIPMENTS



干燥处理:

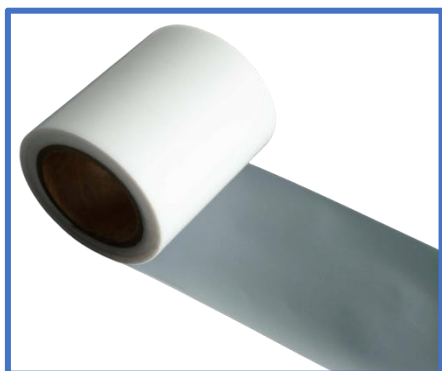
经过以上方法处理好基材后, 对基材进行 $50^{\circ}\text{C}\sim 60^{\circ}\text{C}$ 的烘干处理。时间可根据基材不同选择不同的时间, 一般 1-3 分钟即可。

AFTER PROCESSING THE SUBSTRATE USING THE ABOVE METHODS, DRY IT AT $50^{\circ}\text{C}\sim 60^{\circ}\text{C}$. THE TIME CAN BE SELECTED ACCORDING TO DIFFERENT SUBSTRATES, USUALLY 1-3 MINUTES.

产品优势:

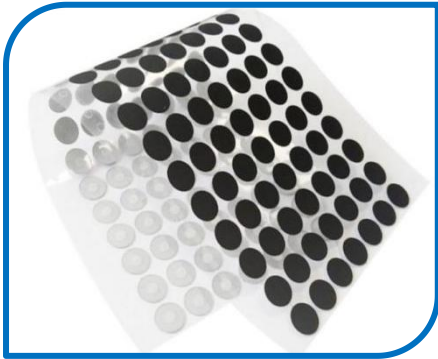
PRODUCT ADVANTAGES

- 相较于 C8 和 C6 产品，在相同性能的前提下，SH-H01 用量少约是 C8 和 C6 产品的 10%~20%，并且减少膜透气量的损失，尽量保持 PTFE 膜原本的性能；
➤ COMPARED TO C8 AND C6 PRODUCTS, WITH THE SAME PERFORMANCE, THE AMOUNT OF SH-H01 USED IS ABOUT 10% TO 20% LESS THAN THAT OF C8 AND C6 PRODUCTS, AND THE LOSS OF MEMBRANE PERMEABILITY IS REDUCED, WHILE TRYING TO MAINTAIN THE ORIGINAL PERFORMANCE OF PTFE MEMBRANE AS MUCH AS POSSIBLE
- 全氟不需定型的含氟聚合物，氟含量在 70%左右，具有优异的防水、防油并且耐化学品特性，可以显著提高 PTFE 膜的防油性，产品热稳定性好；
➤ PERFLUORINATED FLUOROPOLYMERS THAT DO NOT REQUIRE SHAPING, WITH A FLUORINE CONTENT OF AROUND 70%, HAVE EXCELLENT WATERPROOF, OIL RESISTANT, AND CHEMICAL RESISTANT PROPERTIES, WHICH CAN SIGNIFICANTLY IMPROVE THE OIL RESISTANCE OF PTFE MEMBRANES. THE PRODUCT HAS GOOD THERMAL STABILITY
- 非 C8 和 C6 产品，环保性好，使用环境不受环境法规的限制；
➤ NON C8 AND C6 PRODUCTS, WITH GOOD ENVIRONMENTAL FRIENDLINESS AND USAGE ENVIRONMENT NOT RESTRICTED BY ENVIRONMENTAL REGULATIONS
- SH-H01 使用含氟溶剂，对 PTFE 的浸润性能好，可以显著提高涂覆的效率，从而减少生产成本；
➤ SH-H01 USES FLUORINATED SOLVENTS, WHICH HAVE GOOD WETTING PROPERTIES FOR PTFE AND CAN SIGNIFICANTLY IMPROVE COATING EFFICIENCY, THEREBY REDUCING PRODUCTION COSTS



应用领域：

APPLICATION AREA



耳机防水透气声

手机防水透声

可穿戴设备防水透声

WATERPROOF AND BREATHABLE SOUND FOR HEADPHONES

MOBILE PHONE WATERPROOF AND SOUND TRANSPARENT

WEARABLE DEVICES ARE WATERPROOF AND SOUND TRANSPARENT



车灯透气膜

汽车透气栓

电池防透栓

CAR LIGHT BREATHABLE FILM

AUTOMOBILE BREATHABLE PLUG

BATTERY ANTI LEAKAGE PLUG



消防服装、石油工装

专业户外运动服饰

医用、防护、科学服装

FIREFIGHTING CLOTHING, PETROLEUM WORKWEAR

PROFESSIONAL OUTDOOR SPORTSWEAR

MEDICAL, PROTECTIVE, AND SCIENTIFIC CLOTHING



化学品包装

化学品相关容器

CHEMICAL PACKAGING

CHEMICAL RELATED CONTAINERS

储存建议：

STORAGE SUGGESTIONS

储存：

建议阴凉通风储存，注意避免长时间接触高温和光照。

使用前建议：

使用时佩戴好防护用具（口罩、防护面具和手套）部分组份有一定的气味。

STORAGE:

IT IS RECOMMENDED TO STORE IN A COOL AND VENTILATED PLACE, AND AVOID PROLONGED EXPOSURE TO HIGH TEMPERATURES AND LIGHT.

SUGGESTION BEFORE USE:

WEAR PROTECTIVE EQUIPMENT (MASKS, PROTECTIVE MASKS, AND GLOVES) WHEN USING. SOME COMPONENTS HAVE A CERTAIN ODOR.