

杜邦/科幕 PFA 945HP 超韧 高流动 耐候 耐化学 低摩擦

产品名称	杜邦/科幕 PFA 945HP 超韧 高流动 耐候 耐化学 低摩擦
公司名称	京冀（广州）新材料有限公司
价格	18.00/千克
规格参数	PFA:耐气候影响性能良好耐热性，中等热稳定性 945HP:良好的柔韧性流动性中等耐化学性良好 美国杜邦:纯度高低摩擦系数低吸湿性
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产品详情

美国Nature Works聚乳酸 Ingeo PLA 4032D

是用于在加工高热膜的材料，
美国Nature Works聚乳酸4000系列是专为制作定向电影，卡片库存和平面艺术，Ingeo包括使用温度范围从热可密封的电影在175

F (80C

Teflon PFA 945HP Plus

Perfluoroalkoxy

DuPont Fluoropolymers

产品说明：

For inventory control purposes product name may be followed by an X. Products labeled PFA 945HP Plus and PFA 945HP Plus X are equivalent and all information in this document is applicable to both. Typical Application With a typical MIT folding endurance of 800,000* cycles, DuPont Teflon PFA 945HP Plus is designed to withstand repeated flexing and aggressive chemical stress-cracking agents. Applications for Teflon PFA 945HP Plus include fluid handling components for high-performance chemical delivery systems, as well as tubing, unsupported pipe linings for the production of ultra-pure chemicals, and semiconductor components where purity in the parts-per-billion range is critical. Description DuPont Teflon PFA 945HP Plus is a premium fluoroplastic resin available in pellet form. Teflon PFA 945HP Plus possesses the same exceptional chemical resistance, high purity, and protection against ionic contamination as Teflon PFA HP grades with the added benefits of improved flex life (typical MIT flex of 800,000*) and chemical stress-crack resistance. Teflon PFA 945HP Plus meets the increasingly stringent requirements for ultra-reliable and non-contaminating parts, as well as unmatched HCl permeation resistance. The improved flex life and chemical resistance will reduce the cost of ownership of high purity fluid handling systems by reducing downtime caused by mechanical or chemical stresses. Additionally, parts molded with Teflon PFA 945HP Plus have improved clarity and a smooth finish, which can further help prevent buildup of microbial contamination in water handling systems. Table 1 shows the typical property data for Teflon PFA 945HP Plus. This special purpose resin has a mid-range melt flow rate (typical MFR of 7), which permits relatively high extrusion speed and easier processing. The enhanced resistance to environmental stress-cracking makes Teflon PFA 945HP Plus a preferred resin when extended service is required in hostile environments involving chemical, thermal, and mechanical stress. Additionally, the enhanced purity of Teflon PFA 945HP Plus makes it suitable for applications that require improved color, lower extractable fluorides, and freedom from other foreign materials. This product contains no additives and is designed for hostile chemical environments where purity in the parts-per-billion range is needed. Examples are in semiconductor manufacture, fluid handling systems for industry or life sciences, and instrumentation for precise measurements of fluid systems. Teflon PFA 945HP Plus combines the processing ease of conventional thermoplastics with the properties similar to those of polytetrafluoroethylene. With Teflon PFA 945HP Plus, components can last longer under dynamic loads and resist damage caused by ozonated fluids and fluorosurfactants. Combined with excellent chemical, permeation, and stress-crack resistance, this durability leads to a reduced cost of ownership. The high purity and fully fluorinated olecule end groups of Teflon PFA HP Plus can reduce contamination to protect process yields. Properly processed products made from neat Teflon PFA 945HP Plus resin provide the superior properties characteristic of fluoroplastic resins: chemical inertness, exceptional dielectric properties, heat resistance, toughness and flexibility, low coefficient of friction, non-stick characteristics, negligible moisture absorption, low flammability, performance at temperature extremes, and excellent weather resistance. In a flame situation, products of Teflon PFA 945HP Plus resist ignition and do not promote flame spread. When ignited by flame from other sources, their contribution of heat is very small and added at a slow rate with very little smoke. Teflon PFA 945HP Plus meets the requirements of ASTM D3307, Type VI

物性信息：

基本信息

纯度高

低摩擦系数

低吸湿性

低烟度

高 ESCR (抗应力开裂)

良好的电气性能

良好的柔韧性

流动性中等

耐化学性良好

耐气候影响性能良好

耐热性，中等

热稳定性，良好

韧性良好

食品接触的合规性

中等透明度

衬里

管件

液体处理

FDA 未评级

粒子

挤出

树脂传递成型

压缩模塑

注射成型

用途

机构评级

形式

加工方法

物理性能额定值单位制测试方法

2.14

熔流率 (熔体流动速率) (372 ° C/5.0 kg)

7.0

吸水率 (24 hr)	< 0.030
硬度额定值单位制测试方法	55
机械性能额定值单位制测试方法	
23 ° C	28.0
200 ° C	13.0
伸长率	
断裂, 23 ° C	290
断裂, 200 ° C	450
弯曲模量	
23 ° C	600
200 ° C	55.0
热收缩率额定值单位制测试方法	290
电性能额定值单位制测试方法	1.0E+18

