

# PFA 450HP美国杜邦

产品名称	PFA 450HP美国杜邦
公司名称	东莞市业强塑胶原料有限公司
价格	.00/个
规格参数	品牌:PFA杜邦铁氟龙 型号:450HP 产地:美国
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## 产品详情

DuPont Teflon PFA 450HP is a special purpose fluoroplastic resin available in pellet form. This resin is a chemically modified form of Teflon PFA 350 that combines many of the benefits of the parent resin (highest resistance to environmental stress-cracking with a typical MIT folding endurance of 500,000\*) with several additional benefits including enhanced purity, improved thermal stability while processing, and chemical inertness; for example, to ozonated fluids. Table 1 shows the typical property data for Teflon PFA 450HP.

标有PFA 450HP和PFA 450HP X的产品是等效的，本文档中的所有信息均适用于两者。

### 典型应用

杜邦铁氟龙PFA450HP的应用包括用于化学加工行业的管道，管道，阀门和配件的化学衬里，用于生产超纯化学品的无支撑管道衬里，半导体组件和用于高性能的流体处理组件化学品输送系统，其中需要纯度为十亿分之一的范围。

TeflonPFA450HP在涉及化学，热和机械应力的恶劣环境中需要延长服务的应用中是首选。

### 描述

杜邦铁氟龙PFA450HP是一种特殊用途的氟塑料树脂，可以颗粒形式提供。这种树脂是TeflonPFA350的化学改性形式，结合了母树脂的许多优点（对环境应力开裂的最高抵抗力，典型的MIT折叠耐久性为500,000\*）具有一些额外的好处，包括提高纯度，改善热量加工时的稳定性和化学惰性;例如，对臭氧化的流体。表1显示了TeflonPFA450HP的典型属性数据。

TeflonPFA450HP的熔体流动速率相对较低（典型的MFR为2），优质树脂具有最低水平的可萃取物，旨在满足超高纯度要求。当在涉及化学，热和机械应力的恶劣环境中需要延长使用时，TeflonPFA450HP具有增强的抗环境应力开裂性能，是一种优选的树脂。此外，TeflonPFA450 HP的纯度提高使其适用于需要改善颜色，降低可萃取氟化物和不受其他异物影响的应用。该产品不含任何添加剂，适用于需要纯度达到

十亿分之一范围的恶劣化学环境。实例是半导体制造，工业或生命科学的流体处理系统，以及流体系统的精确测量的仪器。与其他热塑性塑料相比，TeflonPFA450HP的高熔体强度和热稳定性可用于提高加工速率，将传统热塑性塑料的加工易用性与许多与聚四氟乙烯相似的性能相结合。

由纯TeflonPFA450HP树脂制成的正确加工产品具有氟塑料树脂的卓越性能：化学惰性，优异的介电性能，耐热性，韧性和柔韧性，低摩擦系数，不粘特性，吸湿性可忽略不计，易燃性低，极端温度下的性能，以及出色的耐候性。

在火焰情况下，TeflonPFA450HP产品不会点燃，也不会促进火焰蔓延。当被来自其他来源的火焰点燃时，它们对热量的贡献非常小并且以非常少的烟雾以缓慢的速率添加。

TeflonPFA450HP符合ASTM D3307，Type II的要求

Teflon PFA 450HP is a relatively low melt flow rate (typical MFR of 2), premium resin with the lowest level of extractables designed to meet ultra-high purity requirements. An enhanced resistance to environmental stress-cracking makes Teflon PFA 450HP a preferred resin when extended service is required in hostile environments involving chemical, thermal, and mechanical stress. Additionally, the enhanced purity of Teflon PFA 450 HP 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. Compared to other thermoplastics, the high melt strength and thermal stability of Teflon PFA 450HP can be used to improve processing rates, combining the processing ease of conventional thermoplastics with many properties similar to those of polytetrafluoroethylene.

Properly processed products made from neat Teflon PFA 450HP 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 450HP 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 450HP meets the requirements of ASTM D3307, Type II