

美国科慕(杜邦) PFA 416HP 高流动 虑料 涂覆耐化学耐候

产品名称	美国科慕(杜邦) PFA 416HP 高流动 虑料 涂覆耐化学耐候
公司名称	京冀（广州）新材料有限公司
价格	27.00/千克
规格参数	PFA:耐气候影响性能良好耐热性，中等热稳定性 416HP:良好的柔韧性流动性高耐化学性良好 美国 杜邦:低烟度良好的电气性能良好的熔体强度
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产品详情

具有极好的外观和清晰度,Eastman Tritan TX1001包含一个基于脱模来源于蔬菜来源。其突出的特点是优良的韧性、水解稳定性、耐热性和耐化

Teflon PFA 416HP

Perfluoroalkoxy

DuPont Fluoropolymers

产品说明：

For inventory control purposes product name may be followed by an X. Products labeled PFA 416 HP and PFA 416 HP X are equivalent and all information in this document is applicable to both. Typical Application Applications for DuPont Teflon PFA 416HP include high performance thin-wall wire coatings; intricate injection molded parts for production of chemicals where purity in the parts-per-billion range is needed; semiconductor components and electronic parts; and fluid handling systems for high performance chemical filters. With a typical melt flow rate of 42, Teflon PFA 416HP resin is ideally suited for applications requiring a high processing speed and very low viscosity. Description DuPont Teflon PFA 416HP is a special purpose fluoroplastic resin available in pellet form. This

resin has a higher melt flow rate (typical MFR of 42) than most other PFA fluoroplastic resins, which permits higher extrusion speed and easier processing, making Teflon PFA 416HP a cost-effective alternative for producing thin-wall and complicated articles. Unlike other high melt flow rate polymers, Teflon PFA 416HP is specially formulated to provide a high melt flow rate for processing ease, while still providing good flexural properties and stress-crack resistance. These unique properties, coupled with the resin's high thermal stability, enable thin coatings of ultra-fine wires and injection molding of complex parts. Table 1 shows the typical property data for Teflon PFA 416HP. The enhanced purity of Teflon PFA 416HP makes it suitable for applications that require improved color, lower extractable fluorides, and freedom from other foreign materials. Teflon PFA 416HP contains no additives and is designed for hostile chemical environments where purity in the parts-per-billion range is needed. Teflon PFA 416HP combines the processing ease of conventional thermoplastics with many properties similar to those of polytetrafluoroethylene. Compared to other thermoplastics, the high melt strength and thermal stability of Teflon PFA 416HP can be used to improve processing rates, and allows intricate electronics to be insulated with an extremely thin coating and still withstand soldering. Properly processed products made from neat Teflon PFA 416HP resin provide the superior properties typical of the 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 416HP 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 416HP meets the requirements of ASTM D3307, Type IX

物性信息：

基本信息

纯度高

低摩擦系数

低吸湿性

低烟度

良好的电气性能

良好的熔体强度

良好的柔韧性

流动性高

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

半导体模制化合物

用途

	薄质涂料	
	电气元件	
	过滤器	
机构评级	液体处理 FDA 21 CFR 177.1550	
形式	欧洲 No 10/2011	
加工方法	粒子 挤出	
	树脂传递成型	
	压缩模塑	
	注射成型	
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)		42
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		25.0
伸长率 (断裂, 23 ° C)		350
弯曲模量 (23 ° C)		690
热性能额定值单位制测试方法		305
电性能额定值单位制测试方法		1.0E+18

介电强度		
0.250 mm 1		80
0.250 mm		80
介电常数 (1 MHz)		2.03
耗散因数 (1 MHz)		< 2.0E-4
可燃性等级	UL94 V-0	V-0
极限氧指数		> 95
补充信息	额定值(单位制测试方法)	12.0
MIT Folding Endurance 3(200.0 m)		4.0E+3

并且已拥有40多年的应用经验。这些应用包括精密注塑成型（例如电子应用中的）、卫生洁具、燃油和空气制动系统管路及光纤波导护套,Grilamid TR等级是一种无定