

other profiles for hose, wire and cable insulation, and sleeving; industrial film; and injection or compression molded articles requiring superior electrical, chemical, and thermal properties. DuPont? Teflon ? PFA 340 is a general-purpose fluoroplastic resin available in pellet form. Compared with other grades of Teflon ? PFA, its most unique features are a relatively high melt flow rate (typical MFR of 14) and properties that make it suitable for a variety of processes and demanding end uses. Table 1 shows the typical property data for Teflon ? PFA 340. Teflon ? PFA 340 is used when traditional extrusion and molding processes are required for producing products with the superior properties of a fluoroplastic resin. Compared to other thermoplastics, the high melt strength and thermal stability of Teflon ? PFA 340 can be used to improve processing rates. Compared with other fluoroplastics, creep resistance at high service temperatures provides a superior balance and level of end-use properties. Teflon ? PFA 340 combines the processing ease of conventional thermoplastics with many properties similar to those of polytetrafluoroethylene. Properly processed products made from neat Teflon ? PFA 340 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 340 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 340 meets the requirements of ASTM D3307, Type I

Teflon? PFA 340 物性表

基本编号
特性

E54681-244681

低摩擦系数

低吸湿性

低烟度

良好的电气性能

良好的抗蠕变性

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	
用途	韧性良好	
	薄膜	
	电线电缆应用	
	工业应用	
	管道	
	管件	
	绝缘材料	
形式 加工方法	型材	
	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		2.15
熔流率（熔体流动速率）(372 ° C/5.0 kg)		14
吸水率(24 hr)		0.030
硬度 额定值 单位制 测试方法		55
抗冲击性能 额定值 单位制 测试方法 23 ° C	ASTM D3307, ISO 12086	25.0
250 ° C		12.0
伸长率 断裂, 23 ° C	ASTM D3307, ISO 12086	300

断裂, 250 ° C 480

弯曲模量 ASTM D790, ISO 178
23 ° C 590

250 ° C 55.0

熔融能定值单位制测试方法 305

美国杜邦PFA 340 挤出级 电气性能良好 绝缘材料 压缩模塑 注射成型