

Tefzel 美国科慕ETFE 207 乙烯四氟乙烯共聚物 耐磨损性

产品名称	Tefzel 美国科慕ETFE 207 乙烯四氟乙烯共聚物 耐磨损性
公司名称	天津市星云新材料有限公司
价格	260.00/千克
规格参数	品牌:美国科慕 包装:25KG/包 产地:美国科慕
公司地址	天津市东丽区航双路与津滨快速路交口处东北侧 航空商务中心2#-1,2-201(二层2057室)
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产品详情 Tefzel 207

Generic Name: [乙烯四氟乙烯共聚物 \(ETFE\)](#) - 提供方: [The Chemours Company](#)

Tefzel ETFE 207 is a special-purpose fluoroplastic resin available in translucent, 2.5-mm (0.1-in) pellets. Compared with other grades of Tefzel, it has a higher flow rate and still maintains a service temperature of 150 ° C (302 ° F). Tefzel 207 and the other Tefzel fluoropolymers are melt processible, modified copolymers of ethylene and tetrafluoroethylene. They are high-performance resins that can be processed at relatively high rates compared with fluorocarbon resins. They are mechanically tough and offer an excellent balance of properties. The relatively high flow rate of Tefzel 207 makes it uniquely suitable for high-speed processing, especially for extruded coatings and injection molding of slender, thin-walled or intricate shapes. Properly processed products made from neat Tefzel 207 are inert to most solvents and chemicals, hydrolytically stable, and weather resistant. Recommended upper service temperature is 150 ° C (302 ° F); useful properties are retained at cryogenic ranges. The level and stability of dielectric properties are excellent and the flame rating is V-0 by the UL94 method. Mechanical properties include outstanding impact strength, cut-through, and abrasion resistance. Statements, or data, regarding behavior in a flame situation are not intended to reflect hazards presented by this or any other material when under actual fire conditions. Typical End Products Tefzel 207 is ideal for many end products, including electrical components such as sleeving, coil forms, sockets, connectors, and switches; lab ware such as tubing, valves, containers, and fasteners; battery or instrument components that require chemical inertness; and mechanical parts. The high melt flow rate of this product makes it ideal for injection molding and thin wall extrusion.

与典型值比较 - [Upgrade to compare!](#) 与黄卡比较

单位: SI

总览	
材料状态	已商用：当前有效
资料 1	Technical Datasheet (English)
UL 黄卡 2	E54681-101244454
搜索 UL 黄卡	The Chemours Company Tefzel
供货地区	北美洲 拉丁美洲 欧洲 亚太地区
特性	Excellent Weather Resistance 高抗撞击性 共聚物 抗溶剂性 良好的电气性能 流动性高 耐化学品性能，良好 耐磨损性，良好 韧性良好 水解稳定

用途	<p>薄壁部件</p> <p>电气/电子应用领域</p> <p>阀门/阀门部件</p> <p>管件</p> <p>紧固件</p> <p>开关</p> <p>连接器</p> <p>容器</p> <p>实验室器具</p>
外观	半透明
形式	粒子
加工方法	<p>吹塑成型</p> <p>挤出</p> <p>挤出涂层</p> <p>树脂传递成型</p> <p>压缩模塑</p> <p>注射成型</p>
物理性能	额定值
密度 / 比重	1.70
熔流率 (熔体流动速率) (297 ° C/5.0 kg)	30

吸水率 (24 hr)	7.0E-3
机械性能	额定值
抗张强度 (23 ° C)	40.0
伸长率 (断裂, 23 ° C)	300
弯曲模量 (23 ° C)	1030
冲击性能	额定值
悬壁梁缺口冲击强度 (23 ° C)	无断裂
热性能	额定值
熔融温度	255 到
最高使用温度	150
电气性能	额定值
体积电阻率	1.0E+1
介电强度 (0.250 mm)	67
介电常数 (23 ° C, 1 MHz)	2.60 到
耗散因数 (23 ° C, 1 MHz)	9.0E-3
可燃性	额定值
极限氧指数	30 到 3