美国科慕化学 ETFE塑胶原料 Tefzel 280 乙烯-四氟乙烯物塑胶粒

产品名称	美国科慕化学 ETFE塑胶原料 Tefzel 280 乙烯-四氟乙烯物塑胶粒
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:日本大金 包装:25KG/包 产地:日本
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)
联系电话	18622344552 18622344552

产品详情

Tefzel ETFE 280

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

DescriptionTefzel ETFE 280 is a premium fluoroplastic resin available in translucent, 2.5-mm (0.1-in) pellets. Compared with other grades of Tefzel , its most unique features are relatively low flow rate, greatly enhanced flex life, and resistance to environmental stress.Tefzel ETFE 280 and the other Tefzel fluoroplastics 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 aremechanically tough and offer an excellent balance of properties.Tefzel ETFE 280 is preferred for applications where other thermoplastics are lacking in mechanical toughness; broad thermal capability; ability to meet unusual thermal, mechanical, and chemical environmental extremes; or limited by fabricating problems. Examples are components and linings for the chemical industry and molded parts with metal inserts of thick sections for use at high temperatures.Properly processed products made from neat Tefzel ETFE 280 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. They are resistant to environmental stress cracking and have outstanding impact strength, cut-through, and abrasion resistance. High-energy radiation resistance meets IEEE 383, and the resin is approved for nuclear power plant use.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 ProductsTefzel ETFE 200 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 dishes; battery or instrument components that require chemical inertness; chemical service items, such as valve components, seal glands, pipe plugs, and corrugated tubing; and film.

与典型值比较 - Upgrade to compare!

单位: SI

总览材料状态

已商用：当前有效

资料 1

Technical Datasheet (English)

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

Good ESCR (Stress Crack Resist.)

高抗撞击性

共聚物

抗伽马辐射

抗溶剂性

良好的电气性能

良好的柔韧性

流动性低

耐化学品性能，良好

耐磨损性，良好

韧性良好

水解稳定

用途

薄膜

电气/电子应用领域

阀门/阀门部件

管道系统

管件

机器/机械部件

开关

连接器

密封件

容器

实验室器具

机构评级

IEEE 383

外观

半透明

形式

粒子

加工方法

Transfer Molding

吹塑成型

挤出

压缩模塑

注射成型

物理性能

额定值

单位制

测试方法

密度 / 比重

1.70

g/cm

ASTM D792熔流率（熔体流动速率）

7.0

g/10 min

ASTM D3159吸水率 (24 hr)

7.0E-3

%

ASTM D570机械性能

额定值

单位制

测试方法

抗张强度 (23 ° C)

45.0

MPa

ASTM D3159伸长率 (断裂, 23 ° C)

300

%

ASTM D3159弯曲模量 (23 ° C)

1200

MPa

ASTM D790压缩强度

38.0

MPa

ASTM D695冲击性能

额定值

单位制

测试方法

无缺口悬臂梁冲击 (23 ° C)

无断裂

ASTM D4812硬度

额定值

单位制

测试方法

肖氏硬度 (邵氏 D)

67

ASTM D2240热性能

额定值

单位制

测试方法

熔融温度

255 到 280

° C

ASTM D3159线形热膨胀系数 - 流动 (0 到 100 ° C)

1.3E-4

cm/cm/ ° C

ASTM D696Service Temperature

< 150

° C

UL 746电气性能

额定值

单位制

测试方法

体积电阻率

1.0E+17

ohms · cm

ASTM D257介电强度 (0.254 mm)

70

kV/mm

ASTM D149介电常数 (23 ° C, 1 MHz)

2.50 到 2.60

ASTM D1531耗散因数 (23 ° C, 1 MHz)

8.0E-3

ASTM D1531耐电弧性

122

sec

ASTM D495可燃性

额定值

单位制

测试方法

极限氧指数

30 到 32

%

ASTM D2863