

杜邦TPE 6356

产品名称	杜邦TPE 6356
公司名称	东莞市晶宏塑胶原料有限公司
价格	.00/个
规格参数	品牌:美国杜邦 型号:6356 加工:注塑
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产品详情

美国杜邦TPE 6356---聚氨酯弹性体(TPE)是一种由玻璃态或半结晶体态热塑性塑料和绵软的聚氨酯弹性体所构成的嵌段预聚物，兼具了硫化橡胶的高弹力和热塑性塑料的热塑性工艺性能，被称作“第三代丁苯橡胶”。其结构特点是由离子键构成不一样的环氧树脂段和硫化橡胶段，环氧树脂段凭着开链间相互作用力产生物理学“化学交联”，TPE硫化橡胶段是具备很大随意转动工作能力的高弹力开链，塑胶和硫化橡胶段以适度的顺序排序、连接起来。因为这类高聚物链结构特点和化学交联情况的交叉性，热固性聚氨酯弹性体在常温状态表明橡胶材料的延展性、抗压强度和变形特点等物理学物理性能，在高温下TPE塑胶段的物理学化学交联随温度的转变而呈可逆性转变，表明了热固性塑料的生产加工特点

Polyurethane elastomer (TPE) is a kind of block prepolymer which is composed of glass or semi crystalline thermoplastic and soft polyurethane elastomer. It has the high elasticity of vulcanized rubber and the thermoplastic process properties of thermoplastic. It is called "the third generation styrene butadiene rubber". The structure of TPE vulcanized rubber is characterized by different epoxy resin segments and vulcanized rubber segments composed of ionic bonds. The epoxy resin segments produce physical "chemical crosslinking" by the interaction between open chains. The TPE vulcanized rubber segment is a high elastic open chain with great ability to rotate freely. The plastic and vulcanized rubber segments are arranged and connected in an appropriate order. Because of the cross-linking between the chain structure and chemical crosslinking of this kind of polymer, the physical and physical properties of thermosetting polyurethane elastomer at room temperature indicate the ductility, compressive strength and deformation characteristics of rubber materials. At high temperature, the physical and chemical crosslinking of TPE plastic section presents reversible transformation with the change of temperature, indicating the production and processing characteristics of thermosetting plastics

热固性聚氨酯弹性体(TPE)类型多种多样，现阶段在车上正获得广泛运用。TPE原材料工艺性能相近热固性塑料，生产制造经济效益非常大，而具体运用中的功效又神似硫化橡胶。TPE原材料不但能够减少系统软件成本费，减少构件品质，提升 构件特性，提升 收购 使用率，还能够改进汽车外观。二十世纪90年

代，TPE在国外汽车上的使用量提高迅速，一些原先用三元乙丙胶(EPDM)生产制造的硫化橡胶构件改成TPE生产制造。TPE具备与EPDM相近的特性和塑胶的优质生产加工特性，能够反复回收再利用，另外还解决了EPDM撕破抗压强度低的难题，并且相对密度低于EPDM,正合适于现阶段汽车产业明确提出的汽车轻量化总体目标。

There are many kinds of thermosetting polyurethane elastomer (TPE), which is now widely used in cars. The technological properties of TPE raw materials are similar to those of thermosetting plastics, and the economic benefits of production and manufacture are very large, and the effect in specific application is similar to that of vulcanized rubber. TPE raw materials can not only reduce the cost of system software, reduce the quality of components, improve the characteristics of components, improve the utilization rate of acquisition, but also improve the appearance of cars. In the 1990s, the use of TPE in foreign automobiles increased rapidly. Some vulcanized rubber components originally made from ethylene propylene diene monomer (EPDM) were replaced by TPE. TPE has the similar characteristics with EPDM and the high-quality production and processing characteristics of plastics, which can be recycled repeatedly. In addition, it also solves the problem of low tear compressive strength of EPDM, and the relative density is lower than EPDM, which is suitable for the overall goal of automotive lightweight clearly proposed by the automotive industry at this stage.