

Thermoplastic Polyurethane

Polyester TPU JHT-A1 Series

- Hardness: Shore A 75-Shore A 98
- Processing methods: Injection, extrusion, casting
- Special features: Excellent mechanical properties, outstanding abrasion resistance and tear resistance, good processing properties
- Applications: Auto parts, pipes, cables, blending modification, etc.



Polyester TPU JHT-A2 Series

- Hardness: Shore A 75-Shore A 95
- Processing methods: injection, extrusion
- Special features: Excellent mechanical properties, outstanding abrasion resistance and good processing properties
- Applications: pipes, cables, shoes, etc.



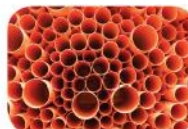
Polyester TPU JHT-A3 Series

- Hardness: Shore A 75-Shore A 95
- Processing methods: injection, extrusion
- Special features: Excellent mechanical properties, outstanding abrasion resistance and good processing properties, cost-effective
- Applications: Seals, Shoes, etc.



Polyester TPU JHT-A4 Series

- Hardness: Shore A 75-Shore A 95
- Processing methods: injection, extrusion, casting
- Special features: Excellent mechanical properties, outstanding abrasion resistance, fast molding, good stability
- Applications: pipes, cables, films, etc.



Polyether TPU JHT-B1 Series

- Hardness: Shore A 70-Shore A 95
- Processing methods: Injection, extrusion, calendaring, casting, coating, blending
- Special features: Excellent low temperature performance, outstanding hydrolytic stability, mold resistance and UV resistance
- Applications: Cable protectors, fire hoses, sporting goods, etc.

Polycarbonate TPU JHT-C1 Series

- Hardness: Shore A 75-Shore A 95
- Processing methods: Injection, extrusion, casting, blending
- Special features: Excellent physical properties, abrasion resistance, hydrolytic stability
- Applications: Pipes, cables, fire hoses, films, etc.



Polycaprolactone TPU JHT-L1 Series

- Hardness: Shore A 75-Shore A 95
- Processing methods: injection, extrusion
- Special features: Excellent physical properties, Low compression set rate, Good abrasion resistance, oil resistance and hydrolytic stability
- Applications: High-end seals, wire and cable, etc.



Compression resistance TPU JHT-S1 series

- Description: Polyester-based, shore A 80~95
- Processing methods: injection, extrusion
- Special features: excellent bending strength, outstanding compression resistance
- Applications: Seals, gasket, etc.



High hardness TPU JHT- H1 series

- Description: Polyester-based, shore D 55~70
- Processing methods: Injection, extrusion
- Special features: Outstanding abrasion resistance, good mechanical and processing property, excellent bending resistance, high temperature aging resistance
- Applications: Shoes, shank, animal ear tag, etc.



Abrasion resistance TPU JHT- R1 series

- Description: Polyester-based, shore A 80~95
- Processing methods: Injection, extrusion
- Special features: Outstanding abrasion resistance, good mechanical and processing property, excellent bending resistance, high temperature aging resistance
- Applications: Shoes, tubes, cables, etc.



High transparency TPU JHT- T1/T2 series

- Description: Polyester based & Polyether based, shore A 75~95
- Processing methods: Injection, extrusion, blow molding
- Special features: Soft touch with high elasticity, excellent bonding strength, wide range of activation temperature, environmentally friendly
- Applications: Clothes, footwear, furniture, etc.



Modified TPU

- Description: Polyester-based & Polyether-based; shore A 70~shore A 98
- Processing methods: Injection, extrusion, casting, etc.
- Special features: Good flame retardant, high mechanical properties, antistatic, etc.
- Applications: Electronics cable, automotive cable, electronic product, etc.



Product Notice

■ Storage

TPU must be stored in tightly closed containers in a dry, cool and shady area. Prolonged contact with water may lead to hydrolysis of certain types of TPU resins because of its high moisture absorbing property. Never make TPU be contacted with water, nor put them in high humidity environment. Moisture in TPU resins will lead to degradation and defective finished products. Prior to processing, it is recommended to dry TPU resins to make its water content below 0.03%.

■ Safety

It is possible that someone is allergic to TPU, if so, please stop contacting with raw material or finished products immediately. With severe cases, call for prompt medical care.

During processing, avoid direct contact with melting TPU or finished product at high temperature to prevent scald. Avoid inhalation of decomposition vapor at high temperature. Local and mechanical ventilation in workshops is a must so as to prevent inhalation of hazardous gas.

The theoretical flash point of TPU product is over 250 °C . Hazardous decomposition products include CO, isocyanate vapor, trace amount of hydrogen cyanide gas (if combusted). This product poses almost no danger of explosion. However, when heated or exposed to flames, it may cause fire. Extinguishing media may be water, sand, or CO2. Firefighting personnel must be equipped with personal protection devices against CO and CO2.

■ Environment

According to environmental laws and regulations, TPU are common non-controlled wastes, which means they can be buried or combusted under permission. Classification and recycle of used TPU packages are recommended to avoid wastes of resources and environmental pollution.